JASA TM X-62,244

LOW-SPEED WIND-TUNNEL INVESTIGATION OF THE LONGITUDINAL CHARACTERISTICS OF A LARGE-SCALE VARIABLE WING-SWEEP FIGHTER MODEL IN THE HIGH-LIFT CONFIGURATION

William T. Eckert and Ralph L. Maki

Ames Research Center and U.S. Army Air Mobility R&D Laboratory Moffett Field, Calif. 94035

NASA-TM-X-62244) LOW-SPEED WIND-TUNNEL INVESTIGATION OF THE LONGITUDINAL CHARACTERISTICS OF A LARGE-SCALE VARIABLE WING-SWEEP FIGHTER MODEL IN THE HIGH-LIFT (NASA) 85 p HC \$6.75 CSCL 01C

N73-31940

Unclas G3/02 14841

NOTATION

Model dimensions and test data measurements were made in the U.S. Customary Units and equivalent information in the International System of Units (SI) was determined by using the appropriate conversion factors for those measurements presented in the text and in the figures.

Ъ	span of wing
BETA	sideslip angle, deg
C	chord length of wing
c	mean aerodynamic chord
CD, CD	drag coefficient, D/qS
c _L , cL	lift coefficient, L/qS
C _M , CM	pitching-moment coefficient, $M/qS\overline{C}_{\overline{W}}$
CN	yawing-moment coefficient, N/qSb
CR	rolling-moment coefficient, R/qSb
CY	side-force coefficient, Y/qS
D	drag
DLC	direct lift control (spoilers)
i _t , IT	horizontal tail incidence angle relative to fuselage centerline, deg
L	lift
М	pitching moment
N	yawing moment
PT	data point number
q, Q	free stream dynamic pressure, (1b/sq ft in tables)

11

R rolling moment Reynolds number R_{N} wing area S spanwise distance normal to fuselage centerline У Y side force α, ALPHA wing angle of attack, deg

Subscripts

surface deflection angle, deg

fraction of semispan, y/b/2

f trailing-edge flaps L leading-edge slats MOD modified (blunted slat leading edge) speed brakes SB split flaps SF horizontal tail t uncorrected u wing

W

δ

η

Examples of Flap and DLC Deflection

 $\delta_{\mbox{\scriptsize f}}$ 35 trailing-edge flaps uniformly deflected to 35°

 $\delta_{\mathbf{f}}$ 45/45/35 trailing-edge flaps deflected:

inboard panels to 45°

middle panels to 45°

outboard panels to 35°

 $\delta_{\rm DLC}$ -4.5 DLC uniformly in the stowed position

 δ_{DLC} 5 DLC middle panels deflected to 5° (neutral) with inboard and outboard panels at -4.5° (stowed)

LOW-SPEED WIND-TUNNEL INVESTIGATION OF THE LONGITUDINAL CHARACTERISTICS OF A LARGE-SCALE VARIABLE WING-SWEEP FIGHTER MODEL IN THE HIGH-LIFT CONFIGURATION

William T. Eckert and Ralph L. Maki

Ames Research Center and U.S. Army Air Mobility R&D Laboratory

SUMMARY

The low-speed characteristics of a large-scale model of the U.S. Navy/Grumman F-14A aircraft were studied in tests conducted in the Ames Research Center 40- by 80-Foot Wind Tunnel. The primary purpose of the program was the determination of lift and stability levels and landing approach attitude of the aircraft in its high-lift configuration.

Tests were conducted at wing angles of attack between -2° and 30° with zero yaw. Data were taken at Reynolds numbers ranging from 3.48×10^6 to 9.64×10^6 based on a wing mean aerodynamic chord of 2.24 m (7.36 ft). The model configuration was changed as required to show the effects of glove slat, wing slat leading-edge radius, cold flow ducting, flap deflection, direct lift control (spoilers), horizontal tail, speed brake, landing gear and missiles.

INTRODUCTION

Carrier-based operations place stringent requirements on aircraft low-speed lift and stability levels to maintoin acceptable approach speeds with adequate stability and maneuvering margins. The variable-sweep wing used in the F-14A design provides the advantages of low sweep and high aspect ratio to aid in meeting these low-speed requirements. However, the vortex flows arising from the highly swept fixed inboard wing area and the projecting sharp-edged nacelle inlets cannot be handled by existing low-speed theory. Further, the broad fuselage planform and close-coupled tails result in a vehicle configuration different from past experience. Thus, the effects of scale and of Reynolds number appeared subject to question in interpreting small-scale test results. To aid in the U.S. Navy/Grumman F-14A development program, therefore, the NASA built a 3/4-scale model of the vehicle for studies at low speeds in the Ames Research Center 40- by 80-Foot Wind Tunnel.

An extensive series of tests have been completed with the unpowered 3/4-scale model. This report presents the longitudinal characteristics extracted from the results of five separate test series. Most of the studies were made with the model in the high-lift configuration, i.e., with slats and flaps deflected. Vehicle design changes made during the course of these studies were incorporated into the model, and the effects are shown. Included are longitudinal control effectiveness (tail incidence and spoiler DLC), and the effects of stability improvement devices, speed brakes, landing gear, and external stores. The lateral-directional characteristics will be presented in a succeeding report.

MODEL DESCRIPTION

The F-14A model in the basic high-lift configuration installed in the NASA-Ames 40- by 80-Foot Wind Tunnel, is shown in figure 1. A three-view drawing and further model details are presented in figures 2 and 3. Dimensional data are given in table I.

Wing

The wing was formed by straight-line-element contouring of NACA 64A2XX series airfoil control sections from the fuselage centerline to 0.25 semispan, and again from there to the tip. The pertinent control sections, those defining the exposed wing area, were 9.5 percent thick at the pivot and 7.0 percent thick with added camber at the tip. Negative dihedral was introduced at the 0.25 station. The wing was fixed in the 20° sweep position.

The two-segment leading-edge slats were deflected uniformly for all high-lift configuration studies, and were retracted to form the clean wing (cruise configuration). Early in the test program (prior to run 3 of test 1) the slats were re-contoured with a larger leading-edge radius (see figure 3(a)); this contour was retained for all subsequent testing.

The trailing-edge flaps were unusual in that a single-slotted system was constructed with a fixed internal pivot. Spoilers extending to the shroud line were drooped 4.5° to optimize the slot gap at the design flap deflection of 35°. Tests with flap deflections other than 35° were made with no attempt to change the gaps and overhangs resulting from the fixed-pivot system. The one exception was for the undeflected flap case where the spoilers were set at 0°. With flaps undeflected, sheet metal covers were fitted to simulate the F-14A aircraft mechanism for closure of the wing lower surface slot openings with undeflected flaps. The flap actuator fairings installed for most tests were shaped to simulate the fairings which cover the flap actuators on the actual aircraft.

The wing was fitted with upper-surface spoilers which spanned the trailing-edge flaps, with a hinge line at 59 percent chord. With flaps deflected, all spoiler segments were drooped ($\delta_{DLC} = -4.5^{\circ}$) to provide a proper slot gap. This spoiler setting is referred to as the "stowed" condition. The spoiler segments inboard and outboard of the extreme flap actuator fairings were constrained to either 0° or -4.5° settings. Only the five segments between the several actuator fairings were used as spoilers, with settings from -4.5° to +20° provided. The spoilers were deflected symmetrically on the left and right wing panels as direct-lift-control (DLC) devices. A spoiler setting of +5° is referred to as the "neutral" configuration, about which setting $\pm \delta_{DLC}$ would be available. A foam rubber seal was installed below the spoilers aft of the hinge line (see figure 3(a)) to prevent leakage between the flap slot and the upper-surface flows at spoiler deflections from 0° to -4.5°. The seal was broken for settings greater than 0°.

The F-14A has a swing-out device designed for the highly-swept fixed-wing (glove) leading edge just inboard and forward of the variable-sweep panel root. This glove slat is a section of glove leading-edge pivoting on a fixed hinge which is tilted 11° from the vertical to provide reduced sweep and added deflection in this region of strong leading-edge vortex flow. For the subject model, a cambered plate with rounded leading-edge was attached to each glove to simulate the airplane glove slats (figure 3(b)).

To allow the wing to sweep to the 68° position on the F-14A aircraft a portion of the inboard end of the inboard flap panels must be tucked into the fuselage. In order to provide clearance a fuselage cavity was introduced in the side of the fuselage at the inboard flap zero-deflection position.

Engine Ducting

The two-dimensional engine inlets were located close to the fuselage with the upper-surface leading-edges (inlet lips) forward of the glove leading-edge, and were faired directly into the upper glove surface. The inlet capture area was 0.381 sq. m (4.1 sq ft) for each duct. The model was ducted for cold flow which exited through the exhaust nozzles at the rear of the fuselage. The nozzle exit area was 0.530 sq m (5.7 sq ft) for each duct. The inlet mass flow ratio admitted by the duct system was about 0.6.

Tails

Existing model tail panels with four-percent-thick biconvex sections were modified for use on this model. The F-14A planforms were correctly represented, and the leading edges were rounded to about 0.25 percent C radii to more closely match the actual aircraft sections. The vertical tails were canted outward 5°. The horizontal tails were pivoted about an axis perpendicular to the fuselage centerline. For some tests split flaps were mounted on the aft inboard corner of the upper surfaces (figure 3(e)).

Miscellaneous Equipment

Nose- and nacelle-mounted landing gear (figure 3(c) and (d)) were removable. The forward set of stores was modeled by a dog-leg pylon and a simulated missile attached under each wing at the wing/glove juncture (figure 3(b)). Speedbrakes were deflectable from upper and lower surfaces at the aft of the fuselage between the engine exhausts (figure 3(e)).

To facilitate the comparison of 3/4-scale data with 1/10-scale results, flap and slat bracket blockages were increased in some test runs to match as closely as possible the bracketry used in the small-scale testing.

Model Geometry Revisions

Several model modifications were made during the course of the test program to parallel design changes and to increase the accuracy of the simulation of the airplane. Examples of the former are the addition of the glove slats, the change of wing-slat deflection angle and the increase in slat leading-edge radius. Changes to improve the modeling accuracy included reworking the trailing-edge flap coves and the coveto-spoiler seals during Test 1; and, between Tests 1 and 2, improving the slat contours at several areas, and making a small correction to the trailing-edge trim line.

The horizontal tail mounting system was strengthened between Tests 3 and 4. This required a slight recontouring of the empenage area to enclose the revised hardware in the tail booms and necessitated spacing the horizontal tail panels outward by about one percent span of the tail.

TEST PROCEDURE

Wing angle of attack was varied between nominal values of -2° and 30° at constant forward speed for selected model configurations. Data were taken at Reynolds numbers ranging from 3.48 x 10^6 to 9.64 x 10^6 , based on a wing mean aerodynamic chord of 2.24 m (7.36 ft), corresponding to nominal dynamic pressures of from 335 to 2394 N/sq m (7 to 50 lb/sq ft). The majority of the data were obtained at a dynamic pressure of about 1648 N/sq m (34.4 lb/sq ft) and a Reynolds number of 8.0 x 10^6 .

DATA REDUCTION

The force and pitching-moment coefficients presented in the tabulations and figures which follow are referenced to the wind axis system. The moment center was located at 16.2 percent wing mean aerodynamic chord.

Corrections

Standard corrections for wind-tunnel wall effects and strut tares were applied to the data as follows:

$$\alpha = \alpha_{u} + 0.604 \quad C_{L_{u}}$$

$$C_{D} = C_{D_{u}} + 0.0106 \quad C_{L_{u}}^{2} - 0.0024$$

$$C_{M} = C_{M_{u}} + 0.0080 \quad C_{L_{u}} - 0.0011$$

Moment corrections due to tunnel wall effects were applied to tail-on data only. The following tail-off correction was used:

$$C_{M} = C_{M_{u}} - 0.0011$$

Accuracy of Data

The data are accurate within the following limits which include errors due to data acquisition and reduction as well as the errors of the force measurement system itself.

Pitching moment, N-m (ft-lb) \pm 217 (\pm 160)

Dynamic pressure, N/sq m (lb/sq ft) \pm 9.6 (\pm 0.2)

Angle of attack, deg \pm 0.1

Flap and tail deflections, deg \pm 1

RESULTS

The basic force and moment data for all test conditions are presented in coefficient form in Parts B of tables II through VI. Parts A of the same tables are tabulation schedules showing the appropriate configuration arrangements for the tabulated data presented.

Standard Configuration

The basic model was configured to match as closely as possible the high-lift landing geometry of the F-14A aircraft. The plotted summary data (figures 4 through 15) assume the following standard configuration details, only the deviations from which will be noted:

 $\delta_{\rm L}$ = 17° MOD, $\delta_{\rm f}$ = 35°, i_t = 0°, and $\delta_{\rm DLC}$ = -4.5°; glove slats and flap actuator fairings installed; and without landing gear, pylons, missiles, speed brakes, or tail split flaps.

Summary Figures

Selected longitudinal data showing the effects of various configuration changes are plotted in figures 4 through 15. A plotting schedule describing the model geometries for which data are shown in the summary plots in contained in table VII.

Due to the configuration-design updates (described in Model Geometry Revisions) made during this test program, the data from different wind-tunnel entries cannot be compared indiscriminately. The longitudinal data for the basic high-lift configuration were obtained with some differences in model detail and the results from the various tests are not in complete agreement as to exact slopes, non-linearities and magnitudes (see figure 4). For this reason the significance of the data lies in the incremental differences in the force and pitching-moment coefficients which resulted from the various model hardware exchanges within a given test. Taking into account all pertinent variables, the data most representative of the F-14A flight aircraft (and therefore the data to which incremental effects should be added) is that of Test 3, run 13, as shown in figure 5.

The effect of Reynolds number variation is presented in figure 6. Figure 7 shows the effect of adding the glove slat, and figure 8 shows the effect of increasing the leading-edge radius of the wing slat. The effect of cold-flow ducting is given in figure 9. Flap effectiveness, horizontal tail effectiveness and direct lift control effects are presented in figures 10, 11, and 12, respectively. Figure 13 shows the effect of upper and lower speed brake deflection. The effects of landing gear, missiles and missile pylons are given in figure 14. Figure 15 shows the effect of sealing the fuselage cavity at the root of the wing flaps.

TABLE I - MODEL DIMENSIONS

Fuselage over	all length,	m (ft)					14.11	(46.28)
Pivot poi	le, deg nt location at pivot (, m (ft) f	rom nose				8.21 0.33	68 (26.95) (1.09) 10.2
Span, m (m (sq ft) .						29.52 14.66	(317.8) (48.10)
mea roo tip Leading-e	ngth, m (ft) nn aerodynam ot edge sweep a	ic (n = 0.			• •		2.24 3.19 0.84	•
Taper rat Incidence fus	atio	coot chord	relative	to			7.28 0.265 0.096	-0.5
Dihedra1	from $\eta = 0$.	(n = 25, deg.	1.0)				0.070	-1.83
Leading-edge	slats	η	slat ch (% c)	ord	gap	at δ _L 1; (% c)	7 _{MOD}	
	inboard outboard	0.335 0.922	14.3 21.0			2.5 2.0		
Trailing-edge Chord, pe	e flaps ercent wing	chord						30
noutboard Gap, perd	d	ord				• • •	0.233	1.5
Tail length	-	_					4.13	(13.56)

TABLE I - (Concluded)

Horizontal tails	_
Number of panels	2
Projected area per panel, sq m (sq ft)	3.71 (39.93)
Span (tip-to-tip) prior to Test 4, m (ft)	7.74 (24.50)
Chord length, m (ft)	
mean aerodynamic	1.91 (6.28)
root (exposed)	2.68 (8.80)
tip	0.60 (1.98)
Leading-edge sweep angle, deg	50,5
Aspect ratio (per panel)	1.26
Taper ratio	0.213
Incidence pivot point location,	
percent tail root chord	52.5
Dihedral, deg	-3.5
Split flap area, sq m (sq ft)	0.21 (2.21)
phirm trub growth and make the transfer and the transf	,
Vertical tails	
Number of panels	2
Projected area per panel, sq m (sq ft)	3.10 (33.34)
Height, m (ft)	1.95 (6.41)
Chord length, m (ft)	
mean aerodynamic	1.70 (5.57)
root (exposed)	2.34 (7.69)
tip	1.14 (3.75)
Leading-edge sweep angle, deg	43
Outward cant from vertical, deg	5
outward cant from vertical, deg	•
Ventral fins	
Number of panels	2
Projected area per panel, sq m (sq ft)	0.55 (5.96)
Height, m (ft)	0.38 (1.25)
Length, m (ft)	2.52 (8.28)

TABLE II - PART A - TEST 1 TABULATION SCHEDULE

					Wing Tail														
Run	q		α Range	δf	-		LC	$\delta_{ m L}$	*		.ove .at	Actu	ap ator ings	1	t	δSB	δ	SF	Comments
1	51		-2 24	C)	C)	О		0	ff	Of	f		0	Off	٥)ff	Clean Configuration
2	34	.5 .	1	35	5	-4	.5	16020	יכ								I		
3	1		-2 →30					16020	O' _{MOD}								\perp		
4				40/3	35/35										<u> </u>				
5			· ·	40/4	0/35						<u> </u>				ļ		┸	<u> </u>	
6			-225	1)n			<u> </u>			\perp		
7			-2 28	35	j					ŀ	-	_							Fuselage Cavity Sealed
8															•				Horiz. Tail Root Gap Sealed
9			-2 26												-5		\perp		
10			•								<u> </u>	L			-10				
11			0								ļ <u>.</u>			Vari	lab1e				
12			10												 				
13			-2 28												0			†	Exhaust Nozzles Plugged
14															1		1	45	
15																+	- (Off	
16			1													60			
17			-2-26				5									+	\perp		
18	1														†	Off			
19	1	· ·	+	-		T	+	1			▼		†		5	•		▼	

TABLE II - PART A - CONCLUDED.

				Wing				Ta	11		· · · · · · · · · · · · · · · · · · ·
Run	q	α Range	δ _f	δ _{DLC}	⁸ L	Glove Slat	Flap Actuator Fairings	iŧ	^δ SB	δ _{SF}	Comments
20	34.5	-2→ 26	35	5	16°20' _{MOD}	On	Off	-5	Off	Off	
21		0						Variable			
22		10						•			
23		-2▶26						0		45	
24								Off		Off	
25			1	-4.5				1			
26			V				On			 	
27	1	*	25			+	Off				

TABLE II - PART B - TEST 1 DATA.

				•							
	• • •		.			· ··· ··· ·· ·· · · · · · · · · · · ·	RUN 1	·			
•	PΤ	ALPHA	BETA	I T	Q	CL	CD	СМ	CY	CN	CR
	1	-2.60	0.0	0.0	50.14	-0.1660	0.0378	0.1014	0.0016	-0.0017	-0.0015
	2	-0.46	0.0	0.0	50.13	0.0689	- 0.0329	0.0816 ·	0.0014	-0.0017	-0.0008
	3	3.81	0.0	0.0	50.06	0.5068	0.0442	0.0457	0.0011	-0.0017	-0.0010
	4	8.07	0.0	0.0	50.10	0.9490	0. ∙0836-‴	0.0138	0.0006	-0.0015	-0.0012
	5	12.30	0.0	0.0	50.13	1.3308	0.1597	-0.0384	-0.0030	-0.0014	0.0020
	6	16.40	0.0	0.0	50.04	1.4891	0.3633 **	-0.1058	0.0008	-0.0020	-0.0001
	7	20.52	0.0	0.0	50.07	1.6905	0.5818	-0.1434	0.0047	-0.0021	-0.0071
	8	22.57	0.0	0.0	50.07	1.7636	~ 0.6942-	·-0.1370 ·	0.0006	0.0010	-0.0025
	9	24.61	0.0	0.0	49.94	1.8325	0.8093	-0.1798	0.0074	-0.0005	-0.0027
				-			RUM 2				
	PΤ	ALPHA	BETA	ΙŤ	Ω	CL	CD	CM ·	CA	CW	CR
	1	-1.53	0.0	0.0	34.00	0.7806	0.1259	-0.0426	0.0090	-0.0028	-0.0024
	2	0.60	0.0	0.0	33.99	0.9987	0.1364	-0.0705	0.0094	-0.0026	0.0072
	3	4.87	0.0	0.0	33.96	1.4366	0.1773	-0.1155	0.0091	-0.0025	-0.0271
	4	9.10	0.0	0.0	34.02	1.8238	0.2438	-0.1527	0.0088	-0.0028	-0.0043
	5	11.19	0.0	0.0	33.89	1.9699	0.2884	-0.1592	0.0067	-0.0023	-0.0024
	6	12.23	$0 \bullet 0$	0.0	33.88	2.0429	0.3170	-0.1595	0.0070	-0.0014	-0.0017
	7	13.27	0.0	0.0	34.00	2.1075	0∙3468	-0.1645	0.0077	-0.0016	-0.0006
	8	15.35	0.0	0.0	34.05	2 • 2334	0.4082	-0.2115	0.0055	-0.0016	0.0
	9	17.42	0.0	$0 \cdot 0$	33.88	2.3494	0.4891	-0.2230	0.0089	-0.0022	0.0296
	10	19.47	0.0	0.0	33.76	2.4312	0.5931	-0.2163	0.0082	-0.0010	-0.0052
	11	21.50	0.0	0.0	33.91	2.4808	0.7203	-0.2655	0.0056	-0.0007	-0.0064
	12	22.51	0.0	0.0	34.03	2.4984	0.7909	-0.3175	0.0048	-0.0010	-0.0028
	13	23.52	0.0	0.0	33.90	2.5235	0.8595	-0.3643	0.0051	-0.0007	-0.0389
	14	24.52	0.0	0.0	33.93	2.5212	0.9229	-0.3238	~0.0003	0.0	0.0086
13	15	25.51	0.0	0.0	33.93	2.4919	1.0004	-0.3351	0.0026	0.0011	0.0030

						RUN 3				
РΤ	ALPHΔ	BETA	ΙT	٥	CL	CD	СМ	CY	CN	CR
1.	-1.53	0.0	0.0	33.90	0.7710	0.1262	-0.0381	0.0078	-0.0027	-0.0016
2	0.60	റ.റ്	0.0	33.94	0.9917	0.1356	-0.0655	0.0082	-0.0029	-0.0035
3	4.86	0.0	0.0	33.93	1.4295	0.1754	-0.1088	0.0084	-0.0026	-0.0016
4	9.10	0.0	$0 \bullet 0$	33.99	1.8149	0.2431	-0.1433	0.0087	-0.0020	0.0001
5	13.26	0.0	0.0	33.91	2.0903	0.3422	-0.1543	0.0076	-0.0013	-0.0023
б	15.34	0.0	0.0	33.97	2.2183	0.4055	-0.2013	0.0062	-0.00 <u>1</u> 9	0.0042
7	17.42	O • Gc	0.0	33.79	2.3438	0.4873	-0.2154	0.0104	-0.0022	-0.0074
8	19.48	0.0	0.0	33.74	2.4438	0.5849	-0.2203	0.0062	-0.0009	-0.0090
9	21.50	0.0	0.0	33.86	2.4869	0.7128	-0.2804	0.0091	-0.0031	-0.0107
10	23.51	0. 0	0.0	33.87	2.4962	0.8541	-0.3520	0.0204	-0.0032	-0.0547
11	24.52	0.0	0.0	33.95	2.5118	0.9218	-0.3233	0.0226	-0.0055	-0.0616
1.2	25.52	0.0	0.0	33.81	2 • 5087	0.9909	-0.3505	0.0230	-0.0058	-0.0301
13	27.51	0.0	0.0	33.65	2.5011	1.1358	-0.3500	0.0264	-0.0040	-0.0270
14	29.51	0.0	0.0	33.74	2 • 4969	1.2825	-0.3911	0.0370	-0.0025	-0.0182
1.5	31.50	0.0	0.0	33.89	2.4837	1.4335	-0.4412	0.0261	-0.0021	-0.0476
						RUN 4				
PΤ	ALPHA	BETA	ŦΤ	۵	CL	CD	CM	CY	CN	CR
1	-1.51	0.0	0.0	33.90	0.8042	0.1335	-0.0266	0.0111	-0.0027	-0.0017
2	0.62	0.0	0.0	33.89	1.0238	0.1432	-0.0500	0.0098	-0.0024	-0.0014
3	4.87	0.0	0.0	33.97	1.4414	0.1823	-0.1093	0.0099	-0.0025	-0.0010
4	9.11	0.0	0.0	33.70	1.8427	0.2485	-0.1403	0.0089	-0.0023	-0.0005
5	13.26	0.0	0.0	33.79	2.0943	0.3453	-0.1593	0.0063	-0.0017	0.0044
6	15.34	0.0	0.0	33.87	2.2157	0.4088	-0.1979	0.0071	-0.0014	0.0032
7	17.41	0.0	0.0	33.89	2.3398	0.4910	-0.2079	0.0112	-0.0020	0.0011
8	19.47	0.0	0.0	33.99	2.4377	0.5905	-0.2160	0.0063	-0.0005	-0.0090
9	21.50	0.0	0.0	33.75	2.4849	0.7171	-0.2587	0.0092	-0.0011	-070112
10	23.50	0.0	0.0	33.84	2.4862	0.8565	-0.3312	0.0229	-0.0032	-0.0319
11	24.52	0.0	0.0	33.80	2.5196	0.9277	-0.3094	0.0229	-0.0049	-0.0330
12	25.51	0.0	0.0	33.77	2.4998	0.9902	-0.3129	0.0199	-0.0052	-0.0262
13	27.51	0.0	0.0	33.86	2.4957	1.1390	-0.3285	0.0238	-0.0042	-0.0603
14	29.50	0.0	0.0	34.09	2.4869	1.2818	-0.3897	0.0329	-0.0042	-0.0482
15	31.49	0.0	0.0	33.61	2.4717	1.4347	-0.4281	0.0328	-0.0021	-0.0213

			_
- 13	1	IA!	٠,

PΤ	ALPHA	BETA	ΙT	Ö	C,۱_	CĐ	CW	CA	CVI	CR
1	-1.52	0.0	0.0	34.00	0.7991	0.1419	-0.0241	0.0100	-0.0028	-0.0020
2	0.61	0.0	0.0	34.03	1.0055	0.1508	-0.0463	0.0087	-0.0023	0.0001
3	4.86	ი•ი	0.0	33.94	1.4219	0.1894	-0.0872·	0.0076	-0.0026	0.0029
4	9.09	$0 \bullet 0$	0.0	33.91	1.8043	0.2519	-0.1204	0.0075	-0.0024	-0.0219
5	11.19	0.0	0.0	33.91	1.9696	0.2982	-0.1348	0.0070	-0.0023	0.0145
6	12.23	0.0	0 • 0	33.82	2.0445	0.3269	-0.1299	0. 0078	-0.0019	-0.0230
7	13.27	0.0	0,0	33.91	2.0991	0.3554	-0,1587	0.0082	-0.0020	0.0026
8	15.35	0.0	0.0	34.03	2.2324	0.4186	-0.1982	0.0077	-0.0017	-().()]47
9	17.42	0.0	0.0	34.07	2.3558	0.5001	-0.2074	0.0106	-0.0023	-O • OO 84:
1.0	19.49	0.40	0.0	33,97	2.4612	O.6016	-0.2125	0.0055	-0.0012	-0.0346
11	21.51	0.0	0.0	33,89	2.5059	0.7251	-0.2742	0.0056	-0.0006	-0.0072
1.2	22.52	0.0	$\theta \bullet 0$	33.93	2.5084	0.7966	-0.2962	0.0134	-0.001S	-0.0394
13	23.52	0.0	0.0	33.92	2.5115	0.8696	÷0.3258	0.0351	-0.0034	-0.0149
14	24.53	0.0	0.0	34.15	2.5296	0.9355	-0.3168	0.0149	-0.0036	-0.0300
15	25.51	0.0	0.0	34.16	2.5072	1.0017	-0.3076	0.0134	-0.0027	-0.0411
16	26.52	0.0	0.0	33,81	2.5196	1.0779	-0.3337	0.0159	-0.0024	-0.0116
17	27.52	0.0	0.0	34.19	2.5202	1.1500	-0.3523	0.0102	-0.0038	-0.0209
				•		RUN 6				
PT	ALPHA	BETA	1 7	O	CL	CD	С _М	CY	CN	CR
}	-1.50	0.0	0.0	33.81	0.8214	0.1444	-0.0500	0.0058	-0.0021	0.0005
2	0.62	O.• O	0.0	33.96	1.0342	0.1546	-0.0407	0.0062	-0.0019	0.0028
3	2.75	0.0	ብ,• በ	33.83	1.2454	0.1703	-0.0630	0.0066	-0.0022	0.0032
4	4.87	0.0	0•0	33.87	1.4425	0.1929	-0.0731	0.0067	-0.0024	0.40029
5	6.99	$\Theta \bullet \Omega$	0.0	33.89	1.6390	0.2224	- 0.0804	0.0087	-0.0024	-0.0175
- 6	9.10	0.0	0.0	33.90	1.8207	0.2574	-0.0751	0.0092	-0.0023	0.0008
7	11.21	0.0	0.0	33.69	2.0050	0.3003	-0.0847	0.0072	-0.0017	-0 *0 SO T
8	12.26	n.o	0.0	33.97	2.0870	0.3265	-0.0987	0.nn98	-0.0019	0 . 0008
9	13.31	$0 \bullet 0$	0.0	33.96	2.1726	0.3544	-0.1315	0.0105	-0.0021	-0.N051
1.0	15.40	0.0	0.0	33.98	2.3244	0.4160	-0.1484	0.0084	-0.0017	0.0012
11	17.47	0.0	0.0	33.96	2.4395	0.4927	-0.1692	0.0115	-0.0027	-0.0070
12	19.53	n•u	0.0	33.77	2.5320	0.5895	-0.1736	0.0105	-0.0027	-1) -0449
13	21.55	0.0	0.0	33.78	2.5618	0.6980	-0.1790	0.0102	-0.0019	-0.0154
14	22.54	0.0	0.0	33.61	2.5525	0.7639	-0.2098	0.0188	-0.0029	-0.0715
15	24.55	0.0	0.0	33.89	2.5657	0.8969	-0.2482	0.0182	-0.0052	-0.0282
16	26.54	0.0	0.0	33,97	2.5509	1.0440	-0.2670	0.0790	-0.0033	-0.0211

						*				
Fruit viller atalapassay - 1995	ERRALAMO A TODA LA TODA LA LA LA			- 		RUN 7				·
PΤ	ALPHA	BETA	I T	Q	CL	CD	СМ	CY	CN	CR
1	-1.51	0.0	0.0	33.86	0.8128	0.1308	-0.0334	0.0126	-0.0030	-0.0027
·· 2	0.63	0.0	0.0	33.92	1 •0369 ·-	0.1416	-0.0593 -	0.0105	-0.0024	-0.0416
3	4.88	0.0	0.0	33.90	1.4633	0.1844	-0.095 5	0.0108	-0.0023	-0.0028
	9.12	0.0	0.0	33.78	1.8603	0.2516	-0.1130 -	0.0110	-0.0021	-0.0016
5	13.31	0.0	0.0	33.77	2.1715	0.3466	-0.1367	0.0116	-0.0018	-0.0011
6 .	15.40	0.0	0.0	33.84	2 - 3097	0.4053	-0.1552	0.0096	-0.0020	-0.0048
7	17.47	0.0	0.0	33.84	2.4275	0.4795	-0.1807	0.0111	-0.0029	-0.0106
8	19.52	0.0	0.0	33.74	2.5231	0.5777	-0.1785	0.0109	-0.0021	-0.0071
.9	21.56	0.0	$0 \cdot 0$	33.83	2.5781	0.6866	-0.1987	0.0103	-0.0014	-0.0100
····10	23.54	0.0	······································	33.68	2 -5518	0.8137	-0.2655	0.0230	-0.0039	-0.0448
11	25.55	0.0	0.0	33.75	2.5735	0.9482	-0.2860	0.0227	-0.0047	-0.0356
. 15	27.55	0.0	0.0		····2~5743····		-0.308 4	0.0207	-0 .0034	-0.0160
13	29.54	0.0	0.0	33.71	2.5532	1.2555	-0.3522	0.0285	-0.0046	-0.0230
РT	ALPHA	BETA	· · - I Ŧ···	o ···	CL -	- co		CY	CN	· · · · CR · · ·
1	-1.54	0.0	0.0	34:03	0.7562			0.0134	-0.0029	
2	0.59	0.0	0.0	33.57	0.7362	0.1264	-0.0807	0.0134	-0.0029	-0:0051 -0:0068
3	-1.54	0.0	0.0	33.94	0.7559	0.1355	-0.0007 -0.0372	0.0111	-0.0028	-0.0040
4	0.59	0.0	0.0	33.89	0.9825	0.1363	-0.0720	0.0122	-0.0029	-0.0040
5	2.73	0.0	0.0	34.06	1.2104		-0.0720	0.0119	-0.0026	-0.0037
6	4.86	0.0	0.0	33.97	1.4231	0.1779	-0.1058	0.0107	-0.0026	-0.0037
7	6.97	0.0	······································	33.99	1.6007	— 0 •2 084 · ·	-0.1038	0.0113	-0.0024 -0.0 0 20	1500.0-
8	9.09	0.0	0.0	33.98	1.8096	0.2449	-0.1320	0.0094	-0.0015	-0.0065
9	11.20	0.0	0.0	34:01	1.9882	0.2888	-0.1323 	0.0083	-0.0019	-0.0035
1Ó	13.29	0.0	0.0	33.92	2.1342	0.3404	-0.1575	0.0093	-0.0014	-0.0033
11	15.38	0.0	0-0-	33.80	2.2783	0.3990	-0-1833	0.0080	-0.0014	-0.0046
12	19.52	0.0	0.0	33.94	2.5089	0.5792	-0.2023	0.0108	-0.0011	-0.0260
13	21.55	0.0	0.0	33-87	2.5651	0.6788		0.0111	-0.0011	-0.0314
14	23.54	0.0	0.0	34.16	2.5417	0.8158	-0.2732	0.0216	-0.0048	-0.0279
15	25.55	0.0	0.0	34.01	2.5634	0.9520-	-0.28 5 2	0.0190	-0.0068	-0.0271
16	27.55	0.0	0.0	33.88	2.5583	1.1011	-0.3084	0.0181	-0.0044	-0.0301
17	29.53	0.0	0.0	33.80	2.5372	1:2534	-0.3413	0.0270	-0.0041	-0.0237
			·			T	~ ~ ~ 1 4 ~	0 0 0 0 1 0	0 4 0 0 1 T	V • 0 2

TABLE II - PART B - TEST 1 DATA - CONTINUED.

				·		RUN 9				
РΤ	ALPHA	BETA	ΙΤ	ನ	CL	CD	СМ	CY	CN	CR
1	-1.59	0.0	-5.0	33.84	0.6866	0.1459	0.0783	0.0089	-0.0022	-0.002
5	0.54	0.0	-5.0	34.03	0.8999	0.1507	0.0538	0.0105	-0.0023	-0.0013
3	2.68	0.0	-5.0	34.03	1.1323	0.1633	0.0358	0.0086	-0.0021	-0.005
4	~~~4.82··		- 	33.97	1 -3574	 0 - 1 8 4 7	0.0083	0.0087	-0.0017	-0.031
5	6.93	0.0	-5.0	33.77	1.5372	0.2113	-0.0415	0.0082	-0.0018	0.000
6	9:06	0.0	=5.0	33.87	1.7512	0.2434	-0.0261	0.0098	-0.0021	0.000
7	11.17	0.0	-5.0	33.73	1.9328	0.2832	-0.0497	0.0054	-0.0013	0.002
. 8 -	12.22	0.0	-5,0	33.96	2.0147	0.3053	-0.0527	0.0079	-0.001 4	0.001
9	13.26	0.0	-5.0	33.88	2.0822	0.3305	-0.0701	0.0068	-0.0011	-0.000
10 -			-5.0	33.73 –	2.2282	0.3855	-0.0877	0.0085	-0.0021	-0.002
11	17.41	0.0	-5.0	33.72	2.3327	0.4572	-0,0892	0.0043	-0.0007	0.013
12	19.47	0.0	-5.0	33.82	2 • 4389	0.5478	-0.0893	0.0100	-0.0014	0-005
13	21.51	0.0	- 5.0	33.87	2.5045	0.6475	-0.1058	0.0081	-0.0008	-0.045
·· 14	23.51	0.•0		33.80	- 2 • 4 9 6 3	0.7800	-0.1632	0.0228	-0.0 040	-0.019
15 16 ·	25.52 27:52	0.0	-5.0	34.11 33.93	2.5108 	0.9099 1 .0563	-0.2183 -0.2423	0.0225 0.0225	-0.0072	-0.014
									····	
									· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
						RUN 10				
PT	 ALPHA	BETA	ΙT	Q	CL	RUN 10	CM	CY	CN	CR
 PT	ALPHA -1.64	BETA 0.0	IT -10.0	Q 34.00	CL 0.6016		CM 0.1813	CY 0.0088	CN -0.0018	CR -0.001
		0.0				CD				
1	-1.64 0.49	0.0	-10.0	34.00	0.6016 0.8195	CD 0•1726	0.1813	0.0088	-0.0018	-0.001
1	-1.64	0.0 0.0 0.0	-10.0 -10.0	34.00 33.9 7	0.6016	0.1726 0.1729 0.1805	0.1813 	0.0088 - 0.0089	-0.0018 -0.0018	-0.001 -0.000 0.001
1 2 3	-1.64 0.49 2.63	0.0 0.0 0.0	-10.0 -10.0 -10.0	34.00 33.97 34.06	0.6016 	CD 0.1726 0.1729	0.1813 0.1585 0.1413	0.0088 	-0.0018 -0.0018 -0.0013	-0.001 -0.000 0.001
1 2 3 4 5	-1.64 0.49 2.63 4.76 6.87	0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0	34.00 	0.6016 0.8195 1.0442 1.2509 1.4419	CD 0.1726 0.1729 0.1805 0.1971 0.2181	0.1813 0.1585 0.1413 0.1269 0.0758	0.0088 -0.0089 -0.0069 -0.0078 -0.0059	-0.0018 -0.0018 -0.0013 -0.0012 -0.0010	-0.001 -0.000 0.001 -0.001
1 2 3 4	-1.64 0.49 2.63 4.76 6.87	0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.00 	0.6016 0.8195 1.0442 1.2509 1.4419	CD 0.1726 0.1729 0.1805 0.1971 0.2181 0.2455	0.1813 0.1585 0.1413 0.1269 0.0758 0.0999	0.0088 0.0089 0.0069 0.0078 0.0059	-0.0018 -0.0018 -0.0013 -0.0012 -0.0010	-0.001 -0.000 0.001 -0.002 -0.001
1 2 3 4 5 6 7	-1.64 0.49 2.63 4.76 6.87 8.99 11.11	0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.00 	0.6016 0.8195 1.0442 1.2509 1.4419 1.6419 1.8295	CD 0.1726 0.1729 0.1805 0.1971 0.2181 0.2455 0.2790	0.1813 0.1585 0.1413 0.1269 0.0758 0.0999 0.0717	0.0088 0.0089 0.0069 0.0078 0.0059 0.0071	-0.0018 -0.0018 -0.0013 -0.0012 -0.0010 -0.0013 -0.0015	-0.001 -0.000 0.001 -0.002 -0.001 -0.023
1 2 3 4 5 6 7 8	-1.64 0.49 2.63 4.76 6.87 8.99 11.11 12.16	0.0 0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.00 33.97 34.06 34.16 34.04 34.01 33.94 34.02	0.6016 0.8195 1.0442 1.2509 1.4419 1.6419 1.8295 1.9190	CD 0.1726 0.1729 0.1805 0.1971 0.2181 0.2455 0.2790 0.2987	0.1813 0.1585 0.1413 0.1269 0.0758 0.0999 0.0717 0.0602	0.0088 0.0089 0.0069 0.0078 0.0059 0.0071 0.0075	-0.0018 -0.0018 -0.0013 -0.0012 -0.0010 -0.0013 -0.0015	-0.001 -0.000 0.001 -0.002 -0.001 -0.023
1 2 3 4 5 6 7	-1.64 0.49 2.63 4.76 6.87 8.99 11.11 12.16 13.20	0.0 0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.00 	0.6016 0.8195 1.0442 1.2509 1.4419 1.6419 1.8295 1.9190 1.9905	CD 0.1726 0.1729 0.1805 0.1971 0.2181 0.2455 0.2790 0.2987 0.3210	0.1813 0.1585 0.1413 0.1269 0.0758 0.0999 0.0717 0.0602 0.0389	0.0088 0.0089 0.0069 0.0078 0.0059 0.0071 0.0075 0.0073 0.0072	-0.0018 -0.0018 -0.0013 -0.0012 -0.0010 -0.0013 -0.0015 -0.0013 -0.0012	-0.001 -0.000 0.001 0.002 -0.001 -0.023
1 2 3 4 5 6 7 8 9	-1.64 0.49 2.63 4.76 6.87 -8.99 11.11 12.16 13.20 -15.29	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.00 33.97 34.06 34.16 34.04 34.01 33.94 34.02 33.88 33.85	0.6016 0.8195 1.0442 1.2509 1.4419 1.6419 1.8295 1.9190 1.9905 2.1428	CD 0.1726 0.1729 0.1805 0.1971 0.2181 0.2455 0.2790 0.2987 0.3210 0.3705	0.1813 0.1585 0.1413 0.1269 0.0758 0.0999 0.0717 0.0602 0.0389 0.0104	0.0088 0.0089 0.0069 0.0078 0.0059 0.0071 0.0075 0.0073 0.0072 0.0061	-0.0018 -0.0018 -0.0013 -0.0012 -0.0010 -0.0013 -0.0015 -0.0013 -0.0012	-0.001 -0.000 0.001 0.002 -0.001 -0.023 0.002 0.000
1 2 3 4 5 6 7 8 9	-1.64 0.49 2.63 4.76 6.87 -8.99 11.11 12.16 13.20 -15.29 17.36	0.0 0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.00 33.97 34.06 34.16 34.04 34.01 33.94 34.02 33.88 33.85 33.79	0.6016 0.8195 1.0442 1.2509 1.4419 1.6419 1.8295 1.9190 1.9905 2.1428 2.2472	CD 0.1726 0.1729 0.1805 0.1971 0.2181 0.2455 0.2790 0.2987 0.3210 0.3705 0.4379	0.1813 0.1585 0.1413 0.1269 0.0758 0.0999 0.0717 0.0602 0.0389	0.0088 0.0089 0.0069 0.0078 0.0059 0.0071 0.0075 0.0073 0.0072 0.0061 0.0058	-0.0018 -0.0018 -0.0013 -0.0012 -0.0010 -0.0013 -0.0015 -0.0013 -0.0017 -0.0014	-0.001 -0.000 0.001 0.002 -0.001 -0.002 0.000
1 2 3 4 5 6 7 8 9	-1.64 0.49 2.63 4.76 6.87 -8.99 11.11 12.16 13.20 -15.29	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.00 33.97 34.06 34.16 34.04 34.01 33.94 34.02 33.88 33.85 33.79 34.00	0.6016 0.8195 1.0442 1.2509 1.4419 1.6419 1.8295 1.9190 1.9905 2.1428 2.2472 2.3451	CD 0.1726 0.1729 0.1805 0.1971 0.2181 0.2455 0.2790 0.2987 0.3210 0.3705 0.4379 0.5211	0.1813 0.1585 0.1413 0.1269 0.0758 0.0999 0.0717 0.0602 0.0389 0.0104 0.0171 0.0198	0.0088 0.0089 0.0069 0.0078 0.0059 0.0071 0.0075 0.0073 0.0072 0.0061 0.0058 0.0091	-0.0018 -0.0018 -0.0013 -0.0012 -0.0010 -0.0013 -0.0015 -0.0013 -0.0012 -0.0017 -0.0014	-0.001 -0.000 0.001 0.002 -0.001 -0.002 0.000 0.001 0.001
1 2 3 4 5 6 7 8 9 10 11 12	-1.64 0.49 2.63 4.76 6.87 -8.99 11.11 12.16 13.20 -15.29 17.36 19.42	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.00 33.97 34.06 34.16 34.04 34.01 33.94 34.02 33.88 33.85 33.79	0.6016 0.8195 1.0442 1.2509 1.4419 1.6419 1.8295 1.9190 1.9905 2.1428 2.2472 2.3451 2.4116	CD 0.1726 0.1729 0.1805 0.1971 0.2181 0.2455 0.2790 0.2987 0.3210 0.3705 0.4379	0.1813 0.1585 0.1413 0.1269 0.0758 0.0999 0.0717 0.0602 0.0389 0.0104 0.0171	0.0088 0.0089 0.0069 0.0078 0.0059 0.0071 0.0075 0.0073 0.0072 0.0061 0.0058	-0.0018 -0.0018 -0.0018 -0.0012 -0.0010 -0.0013 -0.0015 -0.0013 -0.0012 -0.0017 -0.0014 -0.0015 -0.0007	-0.001 -0.000 0.001 0.002 -0.002 0.0002 0.0000 0.011 0.001 -0.003
1 2 3 4 5 6 7 8 9 10	-1.64 0.49 2.63 4.76 6.87 8.99 11.11 12.16 13.20 15.29 17.36 19.42 21.46	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.00 33.97 34.06 34.16 34.04 34.01 33.94 34.02 33.88 33.85 33.79 34.00 33.92	0.6016 0.8195 1.0442 1.2509 1.4419 1.6419 1.8295 1.9190 1.9905 2.1428 2.2472 2.3451	CD 0.1726 0.1729 0.1805 0.1971 0.2181 0.2455 0.2790 0.2987 0.3210 0.3705 0.4379 0.5211 0.6148	0.1813 0.1585 0.1413 0.1269 0.0758 0.0999 0.0717 0.0602 0.0389 0.0104 0.0171 0.0198 -0.0004	0.0088 0.0089 0.0069 0.0078 0.0059 0.0071 0.0075 0.0073 0.0072 0.0061 0.0058 0.0091 0.0089	-0.0018 -0.0018 -0.0013 -0.0012 -0.0010 -0.0013 -0.0015 -0.0013 -0.0012 -0.0017 -0.0014	-0.001 -0.000 0.001 0.002 -0.001 -0.002 0.000 0.001 0.001

-2.4315 -- 1.0015 -0.1309 -0.0148 -- -0.0055 -- -0.0269

16 27.47 0.0 -10.0

				·				· ·		
						RUN 11				
PT	ALPHA	BETA	ΙT	Q	CL	CD	СМ	CY	CN	CR
1	0.72	0.0	10.0	34.03	1.1955	0.1426	-0.3589	0.0127	-0.0029	-0.0016 0.0071
2	0.67		J. U		1.1030			0.0106	-0.0023	
3	0.60	0.0	0.0	33.86	1.0016	0.1374	-0.0877	0.0100 0.0095	-0.0020 -0.0018	-0.0022 -0.0003
4	0.54		2 • 0		0.89 47	-0.1505 -	0.1551	0.0095	-0.0018	-0.0004
5	0.50	0.0	-10.0	33.84	0.8229	0.1715	-0.2431	0.0094	-0.0019	-0.0011
6	0.46		-15 -0	34 .02	0.7574		0.2977	0.0094	-0.0010	-0.0020
7	0.43	0.0	-20.0	33.95	0.7056	0.2322	0.2911	0.0100	-0.0020	- 0 • 00/20
								Name of the state		, man a
- 1			Committee Trans. Management of the							
	-	• •				RUN 12	a reservice per deleteration of a reconstruct of			
-PT	ALPHA	BETA			CF		СМ	CA	CN	CR™
~ · ·· - <u>1</u>	11.29	00	10.0 · · ·		2.1394		0.373 0-	~0. 0 075	-0.0017	0.0012
2	11.25	0.0	5.0	34.03	2.0620	0.3054	-0.2395	0.0091	-0.0019	0.0005
3	11.20	0.0	···· · · · · · · · · · · · · · · · · ·	 34+00	- 1-9907			0:0082	-0.0018	-0.0190
4	11.16	0.0	-5.0	34.01	1.9212	0.2793	-0.0443	0.0090	-0.0017	-0.0197
	11.11	0.0 ~ −	-10.0	33.85			0.0659	- · · 0 * · 0 0 9 0	00019	
6	11.06	0.0	-15.0	33.84	1.7580	0.2834	0.1674	0.0095	-0.0016	0.0026
7	···11.02	0.0	-20.0	34.01	1.6 91 1	 0 -2959 -	0 : 2366	 0:0073	-0:00 13	0.0118
										management of the second of th
	n-y									
				<u></u>					and a manager of the same	
			<u>.</u>							
										
										
									· · · · · · · · · · · · · · · · · · ·	
										

TABLE II - PART B - TEST 1 DATA - CONTINUED.

and the second s

- ·

PT ALPHA BETA IT 0 CL CD CM CY CN CR							- ·				
1 -1.52							RUN 13				•
2 0.61 0.0 0.0 33.85 1.0150 0.1442 -0.0797 0.0091 -0.0023 -0.0012 3 2.75 0.0 0.0 0.33.92 1.2383 0.1627 -0.1020 0.0093 -0.0022 -0.0004 4 4.88 0.0 0.0 33.76 1.6570 0.2217 -0.1199 0.0085 -0.0021 0.0005 5 7.00 0.0 0.0 33.76 1.6570 0.2217 -0.1317 0.0095 -0.0021 0.0005 6 9.10 0.0 0.0 33.66 1.8277 0.2560 -0.1685 0.0064 -0.0017 0.0017 7 11.19 0.0 0.0 33.81 1.9783 0.2987 -0.1561 0.0056 -0.0012 0.0005 8 13.28 0.0 0.0 33.81 1.9783 0.2987 -0.1561 0.0056 -0.0012 0.0003 9 15.37 0.0 0.0 33.67 2.2671 0.4137 -0.2030 0.0009 -0.0017 0.0016 10 17.45 0.0 0.0 33.78 2.9937 0.4938 -0.2133 0.0113 -0.0029 -0.0085 11 19.51 0.0 0.0 33.77 2.5502 0.5929 -0.2025 0.0102 -0.0016 -0.0012 12 21.54 0.0 0.0 33.67 2.5248 0.8216 -0.2693 0.0122 -0.0015 -0.0118 13 23.52 0.0 0.0 33.67 2.5248 0.8216 -0.2693 0.0212 -0.0016 -0.0025 14 25.54 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0160 -0.0059 -0.0265 15 27.53 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0160 -0.0059 -0.0265 16 29.52 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0059 -0.0265 16 29.52 0.0 0.0 33.81 0.9293 0.1651 0.0820 -0.0017 -0.0019 0.0059 4 4.83 0.0 0.0 33.81 0.9293 0.1651 0.0820 0.0077 -0.0019 0.0055 5 6.96 0.0 0.0 33.81 0.9293 0.1665 -0.0042 0.0077 -0.0019 0.0055 5 6.96 0.0 0.0 33.88 1.1621 0.1603 -0.0042 0.0077 -0.0019 0.0055 5 6.96 0.0 0.0 33.88 1.1854 0.2933 0.1601 -0.0020 -0.0016 -0.0026 11 19.51 0.0 0.0 33.893 1.5846 0.2121 0.0829 0.0076 -0.0017 -0.0019 0.0055 15 10.000 0.000 33.80 1.5846 0.2121 0.0829 0.0076 -0.0018 0.0008 13 1.7854 0.2465 0.0829 0.0076 -0.0018 0.0008 14 1.94 0.0 0.0 33.86 1.7854 0.2465 0.0829 0.0076 -0.0018 0.0008 15 1.94 0.000 0.0 33.85 2.2599 0.3987 0.1534 0.0079 -0.0016 0.0002 0.0003 0.0008 10 17.43 0.0 0.0 33.85 2.2599 0.3987 0.1534 0.0066 -0.0016 0.0022 0.0073 0.0016 0.0002 0.003 0.0008 0.00	PΤ	ALPHA	BETA	IT.	0	CL	CU	СМ	СҮ	CN	CR
3 2.75 0.0 0.0 33.92 1.2383 0.1627 -0.1020 0.0093 -0.0022 -0.0006 4 4.88 0.0 0.0 33.79 1.4568 0.1990 -0.1199 0.0095 -0.0021 0.0005 5 7.00 0.0 0.0 33.76 1.6570 0.2217 -0.1317 0.0095 -0.0021 0.0005 6 7.00 0.0 0.0 33.66 1.8277 0.2560 -0.1465 0.0084 -0.0017 0.0017 7 11.19 0.0 0.0 33.61 1.9783 0.2987 -0.1561 0.0084 -0.0017 0.0017 7 11.19 0.0 0.0 33.61 1.9783 0.2987 -0.1561 0.0084 -0.0012 0.0028 8 13.28 0.0 0.0 33.79 2.1121 0.3475 -0.1849 0.0083 -0.0020 0.0013 9 15.37 0.0 0.0 0.3 33.67 2.2671 0.4137 -0.2030 0.0069 -0.0017 0.0016 10 17.45 0.0 0.0 33.67 2.2671 0.4137 -0.2030 0.0069 -0.0017 0.0016 10 17.45 0.0 0.0 33.75 2.5002 0.5929 -0.2025 0.0102 -0.0016 -0.0025 12 21.54 0.0 0.0 33.77 2.5507 0.4950 -0.2025 0.0102 -0.0016 -0.0025 12 21.54 0.0 0.0 33.67 2.5248 0.8210 -0.2253 0.0102 -0.0016 -0.0025 14 25.54 0.0 0.0 33.67 2.5248 0.8216 -0.2693 0.0212 -0.0049 -0.2255 14 25.54 0.0 0.0 33.64 2.5434 0.9541 -0.2703 0.180 -0.0059 -0.0265 15 27.53 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0059 -0.0265 15 27.53 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0059 -0.0265 15 27.53 0.0 0.0 33.81 0.9293 0.5451 0.0200 0.0077 -0.0016 -0.0015 -0.0118 2.9.52 0.0 0.0 33.81 0.9293 0.5451 0.0000 0.00077 -0.0015 -0.0016 -0.0016 -0.0025 0.0007 0.0000 0.0 0.0 0.0 0.0 0.0 0.0 0				0.0		0.7895	0.1335	-0.0525	0.0098	-0.0027	-0:0023
4 4.88 0.0 0 0.0 33.79 1.4568 0.1900 -0.1199 0.0065 -0.0021 0.0005 5 7.00 0.0 0.0 33.75 1.5570 0.2217 -0.1317 0.0095 -0.0021 0.0005 6 9.10 0.0 0.0 33.66 1.8277 0.2560 -0.1465 0.0084 -0.0017 0.0017 7 11.19 0.0 0.0 0.0 33.61 1.9783 0.2987 -0.1561 0.0056 -0.0012 0.0007 8 13.28 0.0 0.0 33.77 2.121 0.3475 -0.1843 0.0083 -0.0020 0.0013 9 15.37 0.0 0.0 33.67 2.3217 0.4137 -0.2030 0.0069 -0.0017 0.0016 10 17.45 0.0 0.0 33.67 2.3937 0.4938 -0.233 0.0113 -0.0029 -0.0085 11 19.51 0.0 0.0 33.77 2.5002 0.5929 -0.2025 0.0102 -0.0016 -0.0025 12 21.54 0.0 0.0 33.77 2.5507 0.6950 -0.2073 0.112 -0.0015 -0.0118 13 23.52 0.0 0.0 33.64 2.5434 0.9794 -0.2703 0.0122 -0.0016 -0.0015 14 25.54 0.0 0.0 33.64 2.5434 0.9794 -0.2703 0.0122 -0.0015 -0.0118 13 23.52 0.0 0.0 33.68 2.5323 1.0976 -0.2807 0.0165 -0.0059 -0.0265 15 27.53 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0059 -0.0265 15 27.53 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0054 -0.0216 16 29.52 0.0 0.0 33.81 0.9293 0.71451 -0.03349 0.0220 -0.0051 -0.0193 1.2543 0.0 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 -0.0059 -0.0065 15 27.53 0.0 0.0 0.0 33.81 0.9293 0.71451 -0.03349 0.0220 -0.0051 -0.0193 1.2543 0.0 0.0 0.0 33.81 0.9293 0.71451 -0.0329 0.0076 -0.0055 -0.0019 0.0055 1.2 0.0049 0.0055 1.2			$0 \bullet 0$	⊕.0	- 33.85		0 :1442	-0.07 9 7 -	0.0091	-0.0023	-0.0012
4 4.88 0.0 0.0 0.0 33.76 1.5568 0.1900 -0.1199 0.0085 -0.0021 0.0005 5 7.00 0.0 0.0 0.0 33.76 1.5570 0.2217 -0.1317 0.0095 -0.0021 0.0005 6 9.10 0.0 0.0 0.3 33.66 1.8277 0.2560 -0.1465 0.0084 -0.0017 0.0017 7 11.19 0.0 0.0 0.3 33.66 1.8277 0.2560 -0.1465 0.0084 -0.0017 0.0017 7 11.19 0.0 0.0 0.3 33.76 2.571 0.4137 -0.2030 0.0083 -0.0020 0.0013 9 15.37 0.0 0.0 0.3 33.79 2.1121 0.3475 -0.1849 0.0083 -0.0020 0.0013 9 15.37 0.0 0.0 0.3 33.78 2.9937 0.4938 -0.2133 0.0103 -0.0029 -0.0015 10 17.45 0.0 0.0 33.78 2.9937 0.4938 -0.2133 0.0113 -0.0029 -0.0085 11 19.51 0.0 0.0 33.77 2.5507 0.6950 -0.2025 0.0102 -0.0016 -0.0015 11 19.51 0.0 0.0 33.77 2.5507 0.6950 -0.2025 0.0102 -0.0015 -0.0018 13 23.52 0.0 0.0 33.64 2.5434 0.9554 -0.2703 0.0122 -0.0049 -0.0285 14 25.54 0.0 0.0 33.64 2.5434 0.9554 -0.2703 0.0180 -0.0059 -0.0265 15 27.53 0.0 0.0 33.82 2.5323 1.976 -0.2807 0.0165 -0.0059 -0.0265 15 27.53 0.0 0.0 33.82 2.5323 1.976 -0.2807 0.0165 -0.0054 -0.0216 16 29.52 0.0 0.0 33.82 1.1621 0.1603 -0.0349 0.0220 -0.0051 -0.0013 -0.0193 1.2549 -0.3349 0.0220 -0.0051 -0.0015 -0.0014 2 0.566 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 -0.0015 -0.0015 -0.0014 4.83 0.0 0.0 33.83 1.3759 0.1855 -0.0363 0.0076 -0.0015 -0.0014 6.0022 -0.0006 6 9.08 0.0 0.0 33.80 1.3759 0.1835 -0.0363 0.0076 -0.0015 0.0014 0.0026 -0.0015 0.0014 0.0026 -0.0015 0.0014 0.0026 -0.0015 0.0014 0.0026 -0.0015 0.0014 0.0026 -0.0015 0.0014 0.0026 -0.0015 0.0014 0.0026 -0.0015 0.0014 0.0026 0.0015 0.0014 0.0026 0.0015 0.0014 0.0026 0.0015 0.0014 0.0026 0.0015 0.0014 0.0026 0.0015 0.0014 0.0026 0.0015 0.0015 0.0014 0.0026 0.0015 0.0014 0.0026 0.0015 0.0014 0.0026 0.0015 0.0015 0.0014 0.0026 0.0015 0.0015 0.0014 0.0026 0.0015 0.0015 0.0014 0.0026 0.0015 0.0015 0.0014 0.0026 0.0015 0.0015 0.0014 0.0026 0.0015 0.0015 0.0016 0.0022 0.0015 0.0016 0.0022 0.0015 0.0016 0.0022 0.0015 0.0016 0.0022 0.0015 0.0016 0.0022 0.0015 0.0016 0.0022 0.0015 0.0016 0.0022 0.0015 0.0016 0.0022 0.0016 0.0026 0.0015 0.0016 0.0022 0.0016 0.0026 0.0015 0.0016 0.0022 0.0016 0.0026 0.0015 0.		-		-	33.92		0.1627	-0.1020	0.0093	-0.0022	-0.0004
6 9.10 0.0 0.0 0.0 33.66 1.8277 0.2560 -0.1465 0.0086 -0.0017 0.0017 7 11.19 0.0 0.0 33.81 1.9783 0.2987 -0.1561 0.0056 -0.0012 0.0028 8 13.28 0.0 0.0 0.0 33.81 1.9783 0.2987 -0.1561 0.0056 -0.0012 0.0028 9 15.37 0.0 0.0 33.67 2.2671 0.4137 -0.2030 0.0069 -0.0017 0.0016 10 17.45 0.0 0.0 33.67 2.2671 0.4137 -0.2030 0.0069 -0.0017 0.0016 10 17.45 0.0 0.0 33.68 2.3937 0.4938 -0.2133 0.0113 -0.0029 -0.0085 11 19.51 0.0 0.0 33.78 2.3937 0.4938 -0.2133 0.0113 -0.0029 -0.0016 12 21.54 0.0 0.0 33.75 2.5002 0.5929 -0.2025 0.0102 -0.0016 -0.0025 12 21.54 0.0 0.0 33.75 2.5507 0.6950 -0.2073 0.0122 -0.0016 -0.0025 13 23.52 0.0 0.0 0.0 33.67 2.5248 0.8216 -0.2693 0.0122 -0.0015 -0.0118 13 23.52 0.0 0.0 33.64 2.5444 0.9541 -0.2703 0.0180 -0.0059 -0.0265 15 27.53 0.0 0.0 33.62 2.5323 1.0976 -0.2807 0.0160 -0.0059 -0.0265 15 27.53 0.0 0.0 33.62 2.5323 1.0976 -0.2807 0.0165 -0.0054 -0.0216 16 29.52 0.0 0.0 33.81 0.9293 0.1451 -0.2703 0.0180 -0.0059 -0.0265 15 27.53 0.0 0.0 33.81 0.9293 0.1451 -0.2933 0.0101 -0.0022 -0.0015 1.00193 1.2543 -0.3349 0.0220 -0.0051 -0.0193 1.2543 -0.3349 0.0220 -0.0051 -0.0193 1.2543 -0.3349 0.0220 -0.0051 -0.0193 1.2543 -0.3349 0.0220 -0.0051 -0.0193 1.2543 -0.0064 0.0077 -0.0019 0.0005 1.2543 1.2543 -0.0064 0.0077 -0.0019 0.0005 1.2543 1.2543 -0.0064 0.0077 -0.0019 0.0005 1.2543 1.2543 -0.0064 0.0077 -0.0019 0.0005 1.2543 1.2543 -0.0064 0.0077 -0.0019 0.0005 1.2543 1.2543 -0.0064 0.0077 -0.0019 0.0005 1.2543 1.2543 -0.0064 0.0077 -0.0019 0.0005 1.2543 1.2543 -0.0064 0.0077 -0.0019 0.0005 1.2543 1.2543 -0.0064 0.0077 -0.0019 0.0006 1.2543 1.2543 -0.0064 0.0077 -0.0019 0.0006 1.2543 1.2543 -0.0064 0.0077 -0.0019 0.0006 1.2543 1.2543 -0.0064 0.0077 -0.0019 0.0006 1.2543 1.2543 0.0066 0.0079 0.0015 0.0008 1.2543 1.2543 0.0066 0.0079 0.0015 0.0008 1.2543 1.2543 0.0066 0.0079 0.0015 0.0008 1.2543 0.0066 0.0079 0.0015 0.0008 1.2543 0.0066				0.0			-0-1900 -	0.1199	0.0085	-0.0021	
7 11.19 0.0 0.0 33.81 1.9783 0.2987 -0.1561 0.0056 -0.0012 0.0028 8 13.28 0.0 0.0 33.79 2.1121 0.3475 -0.1843 0.0083 -0.0020 0.0013 9 15.37 0.0 0.0 33.67 2.2671 0.4137 -0.2030 0.0069 -0.0017 0.0016 10 17.45 0.0 0.0 33.78 2.3937 0.4938 -0.2133 0.0113 -0.0029 -0.0085 11 19.51 0.0 0.0 33.75 2.5002 0.5929 -0.2025 0.1002 -0.0016 -0.0025 12 21.54 0.0 0.0 33.77 2.5507 0.6950 -0.2073 0.0122 -0.0015 -0.0118 13 23.52 0.0 0.0 33.67 2.5248 0.8216 -0.2693 0.0122 -0.0015 -0.0118 13 23.52 0.0 0.0 33.64 2.5434 0.9541 -0.2703 0.0180 -0.0059 -0.0265 15 27.53 0.0 0.0 33.64 2.5434 0.9541 -0.2703 0.0160 -0.0059 -0.0265 16 29.52 0.0 0.0 33.82 2.5333 1.0976 -0.2807 0.0165 -0.0054 -0.0216 16 29.55 0.0 0.0 33.81 0.9293 0.1451 0.03349 0.0220 -0.0051 -0.0193 RUN 14 PT ALPHA BETA IT 0 CL CD CM CY CN CR 1 -1.57 0.0 0.0 33.81 0.9293 0.1451 0.0033 0.0101 -0.0022 -0.0007 3 2.70 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 0.0096 -0.0022 -0.0007 3 2.70 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 0.0019 0.0005 4 4.83 0.0 0.0 33.93 1.3752 0.1835 -0.0839 0.0077 0.0019 0.0005 4 4.83 0.0 0.0 33.86 0.728 0.008 0.008 0.0077 0.0019 0.0005 4 4.83 0.0 0.0 33.85 0.008 0.008 0.008 0.008 0.0077 0.0019 0.0005 4 4.83 0.0 0.0 33.85 1.1621 0.1603 -0.0042 0.0077 0.0019 0.0005 5 6.96 0.0 0.0 33.86 0.788 0.788 0.788 0.0076 0.0015 0.0015 5 6.96 0.0 0.0 33.86 1.7884 0.2121 0.0899 0.0076 0.0015 0.00015 7 11.19 0.0 0.0 33.86 1.7884 0.2121 0.0899 0.0076 0.0015 0.00016 7 11.19 0.0 0.0 33.86 1.7884 0.2491 0.0999 0.0073 -0.0016 0.0002 9 15.36 0.0 0.0 33.875 1.9670 0.2907 -0.1029 0.0073 -0.0016 0.0002 9 15.36 0.0 0.0 33.875 1.9670 0.2907 -0.1029 0.0073 -0.0016 0.0002 9 15.36 0.0 0.0 33.88 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 0.33.85 2.5301 1.5258 0.6766 0.1500 0.0666 -0.0014 0.0002 11 19.49 0.0 0.0 33.85 2.5301 0.0012 -0.2577 0.0166 0.0062 0.0007 12 21.52 0.0 0.0 0.33.85 2.5301 1.5277 0.0916 0.02770 0.0166 0.00044 0.0024 15 27.53 0.0 0.0 0.33.85 2.5301 1.5277 0.0916 0.02770 0.0166 0.00044 0				0.0			0.2217	-0.1317	0.0095	-0.0021	0.0007
RINN 14 PT ALPHA BETA IT Q CL CD CM CY CN CR 1 -1.57 0.0 0.0 33.81 0.9293 0.1451 0.00572 0.0096 -0.0051 -0.0193 2 9.52 0.0 0.0 33.82 1.1621 0.1374 0.0572 0.0096 -0.0051 -0.0193 2 9.53 0.0 0.0 33.83 1.359 0.1451 0.0260 0.0051 -0.0015 -0.0193 RINN 14 PT ALPHA BETA IT Q CL CD CM CY CN CR 1 -1.57 0.0 0.0 33.81 0.9293 0.1451 0.0220 -0.0051 -0.0193 2 9.56 0.0 0.0 33.81 0.9293 0.1451 0.0220 -0.0051 -0.0051 -0.0193 RINN 14 PT ALPHA BETA IT Q CL CD CM CY CN CR 1 -1.57 0.0 0.0 33.81 0.9293 0.1451 0.0220 -0.0025 -0.0051 -0.0015 -0.0193 RINN 14 PT ALPHA BETA IT Q CL CD CM CY CN CR 1 -1.57 0.0 0.0 33.81 0.9293 0.1451 0.0220 -0.0046 -0.0051 -0.0193 RINN 14 PT ALPHA BETA IT Q CL CD CM CY CN CR 1 -1.57 0.0 0.0 33.81 0.9293 0.1451 0.0220 -0.0051 -0.0051 -0.0193				0.0	33.66		0.2560	-0.1465	0.0084	-0.0017	0.0017
9 15.37 0.0 0.0 33.67 2.207] 0.4137 -0.2030 0.0069 -0.0017 0.0016 10 17.45 0.0 0.0 33.78 2.3937 0.4938 -0.2133 0.0113 -0.0029 -0.0085 11 19.51 0.0 0.0 33.75 2.5502 0.5502 -0.2025 0.0102 -0.0016 -0.0025 12 21.54 0.0 0.0 33.77 2.5507 0.6950 -0.2073 0.0122 -0.0015 -0.0118 13 23.52 0.0 0.0 33.64 2.5248 0.8216 -0.2693 0.0212 -0.0049 -0.0285 14 25.54 0.0 0.0 33.64 2.5343 0.9541 -0.2703 0.0180 -0.0059 -0.0265 15 27.53 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0059 -0.0265 16 29.52 0.0 0.0 33.81 0.9293 0.4551 0.0020 -0.0051 -0.0114 2 0.56 0.0 0.0 33.81 0.9293 0.4551 0.0020 -0.0051 -0.0193 RUN 14 PT ALPHA BETA IT Q CL CD CM CY CN CR 1 -1.57 0.0 0.0 33.81 0.9293 0.4551 0.0020 -0.0026 -0.0051 -0.0193 2 .70 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 -0.0019 0.0005 4 4.83 0.0 0.0 33.82 1.3592 0.1835 -0.0353 0.0016 -0.0019 0.0005 4 4.83 0.0 0.0 33.81 1.3752 0.1835 -0.0353 0.0016 -0.0019 0.0005 6 0.00 33.90 1.5866 0.2121 -0.0829 0.0076 -0.0018 0.0008 6 0.00 33.90 1.5866 0.2121 -0.0829 0.0076 -0.0018 0.0008 6 0.00 33.86 1.7854 0.2665 -0.0830 0.0072 -0.0015 0.0016 0.0022 0.0077 11.19 0.0 0.0 33.75 1.9670 0.2907 -0.1029 0.0073 -0.0016 0.0022 0.0073 0.0008 0.0 0.0 33.88 2.25399 0.3987 -0.1534 0.0066 -0.0016 0.0022 0.0073 0.006 0.0 0.0 33.77 2.2759 0.0 0.0 0.0 33.89 2.2599 0.3987 -0.1534 0.0066 -0.0016 0.0022 0.0073 0.0066 0.0014 0.0004 0.0004				0.0			0.2987	-0.1561	0.0056	-0.0012	
10 17.45 0.0 0.0 33.78 2.3937 0.4938 -0.2133 0.0113 -0.0029 -0.0085 11 19.51 0.0 0.0 33.75 2.5002 0.5929 -0.2025 0.0102 -0.0016 -0.0025 12 21.54 0.0 0.0 33.77 2.5507 0.6950 -0.2073 0.0122 -0.0016 -0.0018 13 23.52 0.0 0.0 0.0 33.67 2.5248 0.8216 -0.2693 0.0212 -0.0049 -0.0285 14 25.54 0.0 0.0 33.64 2.5434 0.9541 -0.2703 0.0180 -0.0059 -0.0285 15 27.53 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0054 -0.0216 16 29.52 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0054 -0.018 2 0.56 0.0 0.0 33.81 0.9293 0.7451 0.0693 0.010 -0.0022 -0.0051 -0.0193 RUN 14 PT ALPHA BETA IT 0 CL CD CM CY CN CR 1 -1.57 0.0 0.0 33.81 0.9293 0.7451 0.0623 0.010 -0.0022 -0.0051 -0.0193 2 2.70 0.0 0.0 33.82 1.621 0.1603 -0.0042 0.0077 -0.0019 0.0005 4 4.83 0.0 0.0 33.82 1.621 0.1603 -0.0042 0.0077 -0.0019 0.0005 4 4.83 0.0 0.0 33.93 1.3752 0.1855 -0.0363 0.0017 -0.0019 0.0005 5 6.96 0.0 0.0 33.80 1.5866 0.2121 -0.0829 0.0076 -0.0015 0.0014 6 9.08 0.0 0.0 33.86 1.7854 0.2465 -0.0829 0.0076 -0.0015 0.0014 7 11.19 0.0 0.0 33.75 1.9670 0.2907 -0.1029 0.0073 -0.0016 0.0002 8 13.28 0.0 0.0 33.75 2.2599 0.3987 -0.1534 0.0066 -0.0016 0.0022 9 15.36 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0012 11 19.49 0.0 0.0 33.85 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.00026 11 19.49 0.0 0.0 33.87 2.2589 0.3987 -0.1534 0.0066 -0.0011 -0.0012 11 19.49 0.0 0.0 33.75 2.2589 0.3987 -0.1534 0.0066 -0.0011 0.00021 11 19.49 0.0 0.0 33.75 2.3689 0.4810 -0.1550 0.0066 -0.0011 0.00021 11 19.49 0.0 0.0 33.85 2.2599 0.3987 -0.1525 0.0087 -0.0011 -0.0012 12 21.52 0.0 0.0 33.85 2.5210 0.8122 -0.1328 0.0012 -0.0003 -0.0026 14 25.53 0.0 0.0 33.86 2.5337 0.9491 -0.2557 0.0166 -0.0058 -0.0245 -0.0245 -0.0004			0.0	0.0			0.3475	·· ·-0 •±843 ··	0.0083	-0.0020	0.0013
11 19.51 0.0 0.0 33.75 2.5002 0.5929 -0.2025 0.0102 -0.0016 -0.0025 12 21.54 0.0 0.0 33.77 2.5507 0.66950 -0.2073 0.0102 -0.0016 -0.0025 13 23.52 0.0 0.0 33.67 2.5548 0.8216 -0.2693 0.0122 -0.0049 -0.0285 14 25.54 0.0 0.0 33.67 2.5248 0.8216 -0.2693 0.0122 -0.0049 -0.0285 14 25.54 0.0 0.0 33.64 2.5434 0.9541 -0.2703 0.0180 -0.0059 -0.0265 15 27.53 0.0 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0054 -0.0216 16 29.52 0.0 0.0 33.72 2.5133 1.2543 -0.3349 0.0220 -0.0051 -0.0016 16 29.52 0.0 0.0 33.72 2.5133 1.2543 -0.3349 0.0220 -0.0051 -0.0193 1.2543 -0.3349 0.0220 -0.0051 -0.0193 1.2543 -0.3349 0.0220 -0.0051 -0.0193 1.2543 -0.3349 0.0220 -0.0051 -0.0014 2.056 0.0 0.0 33.81 0.9293 0.4651 0.0233 0.0101 -0.0022 -0.0007 1.2543 0.0000 0.0 33.81 0.9293 0.4651 0.0004 0.0077 -0.0019 0.0005 1.2543 0.0000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-			0.0			0.4137	-0.2030	0.0069	-0.0017	0.0016
12 21.54 0.0 0.0 33.67 2.5507 0.6950 -0.2073 0.0122 -0.0015 -0.0118 13 22.52 0.0 0.0 33.67 2.5248 0.8216 -0.2693 0.0212 -0.0049 -0.0285 14 25.54 0.0 0.0 33.64 2.5934 0.9216 -0.2693 0.0212 -0.0049 -0.0285 15 27.53 0.0 0.0 0.0 33.62 2.5323 1.0976 -0.2807 0.0165 -0.0054 -0.0216 16 29.52 0.0 0.0 33.72 2.5133 1.2543 -0.3349 0.0220 -0.0051 -0.0193 RUN 14				÷0.			* 0:4 938	0.2133 -	0.0113	-0.0029	-0.0085
12 21.54 0.0 0.0 33.77 2.5507 0.6990 -0.2073 0.0122 -0.0015 -0.0118 13 23.52 0.0 0.0 0.0 33.67 2.5248 0.8216 -0.2693 0.0212 -0.0049 -0.0285 14 25.54 0.0 0.0 33.64 2.5434 0.9541 -0.2703 0.0180 -0.0059 -0.0265 15 27.53 0.0 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0054 -0.0216 16 29.52 0.0 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0054 -0.0216 16 29.52 0.0 0.0 0.0 33.72 2.5133 1.2543 -0.3349 0.0220 -0.0051 -0.0193 1.2543 -0.3349 0.0220 -0.0051 -0.0193 1.2543 -0.3349 0.0220 -0.0051 -0.0193 1.2543 -0.3349 0.0220 -0.0051 -0.00193 1.2543 -0.266 0.0 0.0 33.81 0.9293 0.1451 0.0572 0.0096 -0.0026 -0.0014 0.0007 0.0 0.0 33.81 0.9293 0.1451 0.0233 0.0101 -0.0022 -0.0007 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0			0.0	0.0	33.75		0.5929	-0.2025	0.0102	-0.0016	-0.0025
13 23.52 0.0 0.0 33.67 2.5248 0.8216 -0.2693 0.0212 -0.0049 -0.0285 14 25.54 0.0 0.0 0.0 33.64 2.5434 0.9541 -0.2703 0.0180 -0.0059 -0.0265 15 27.53 0.0 0.0 33.82 2.5523 1.0976 -0.2807 0.0165 -0.0054 -0.0216 16 29.52 0.0 0.0 33.72 2.5133 1.2643 -0.3349 0.0220 -0.0051 -0.0193 1.2643 -0.3349 0.0220 -0.0051 -0.0193 1.2643 -0.3349 0.0220 -0.0051 -0.0193 1.2643 -0.3349 0.0220 -0.0051 -0.0193 1.2643 -0.3349 0.0220 -0.0051 -0.0193 1.2643 -0.3349 0.0220 -0.0051 -0.0193 1.2643 -0.3349 0.0220 -0.0051 -0.0193 1.2643 -0.3349 0.0220 -0.0051 -0.0193 1.2643 -0.0052 0.0056 -0.0056 -0.0056 -0.0014 0.0572 0.0096 -0.0026 -0.0014 0.00572 0.0096 -0.0026 -0.0014 0.0572 0.0096 -0.0022 -0.0007 0.0051 0.	12		0.0	0.0	33.77	2.5507	0 -6950 ·	-0.2073	0.0122	-0.0015	
14 25.54 0.0 0.0 33.64 2.5434 fr.9541 -0.2703 0.0180 -0.0059 -0.0265 15 27.53 0.0 0.0 0.0 33.82 2.5323 1.0976 -0.2807 0.0165 -0.0051 -0.0016 16 29.52 0.0 0.0 0.0 33.82 2.5323 1.2543 -0.3349 0.0220 -0.0051 -0.0193 RUN 14 PT ALPHA BETA IT Q CL CD CM CY CN CR 1 -1.57 0.0 0.0 0.0 34.01 0.7046 0.1374 0.0572 0.0096 -0.0026 -0.0014 0.0572 0.0096 -0.0026 -0.0014 0.0572 0.0096 -0.0026 -0.0014 0.0572 0.0096 -0.0026 -0.0014 0.0572 0.0096 -0.0026 -0.0007 0.0005 0.0000 0.0 0.0 0.0 0.0 0.0 0.0 0	13	23.52	0.0	0.0	33.67	2.5248	0.8216	-0.2693	0.0212		
RUN 14 PT ALPHA BETA IT Q CL CD CM CY CN CR 1 -1.57 0.0 0.0 33.82 1.00293 0.1451 0.0026 -0.0026 -0.0014 2 0.56 0.0 0.0 33.81 0.9293 0.1451 0.0233 0.0101 -0.0022 -0.0007 3 2.70 0.0 0.0 33.81 0.9293 0.1451 0.0233 0.0101 -0.0022 -0.0007 3 2.70 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 -0.0019 0.0005 5 6.96 0.0 0.0 33.93 1.3752 0.1885 -0.9830 0.0076 -0.0018 0.0008 6 9.08 0.0 0.0 33.86 1.7854 0.2465 -0.0829 0.0076 -0.0018 0.0008 6 9.08 0.0 0.0 33.86 1.7854 0.2465 -0.0830 0.0072 -0.0015 0.0008 6 11.19 0.0 0.0 33.88 1.7854 0.2465 -0.0830 0.0072 -0.0015 0.0008 6 13.28 0.6 0.0 0.0 33.89 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0022 8 13.28 0.6 0.0 0.0 33.89 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0002 1 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0023 10 17.43 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0012 12 21.52 0.0 0.0 33.85 2.5210 0.8122 -0.1534 0.011 -0.0011 -0.0024 13 23.52 0.0 0.0 33.85 2.5210 0.8122 -0.1525 0.0087 -0.0011 -0.0017 13 23.52 0.0 0.0 33.86 2.5337 0.9491 -0.2557 0.0166 -0.0011 -0.0026 15 27.53 0.0 0.0 33.86 2.5337 0.9491 -0.2557 0.0165 -0.0042 -0.0226 15 27.53 0.0 0.0 33.86 2.5337 0.9491 -0.2557 0.0165 -0.0042 -0.0217 16 29.53 0.0 0.0 33.88 2.5301 1.2527 -0.2399 0.0246 -0.0044 -0.0217	14	25.54	0.0	0.0	33.64	2.5434	0.9541				
RUN 14 PT ALPHA BETA IT Q CL CD CM CY CN CR 1 -1.57 0.0 0.0 34.01 0.7046 0.1374 0.0572 0.0096 -0.0026 -0.0014 2 0.56 0.0 0.0 33.81 0.9293 0.1451 0.0023 0.0101 -0.0022 0.0007 3 2.70 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 -0.0019 0.0005 4 4.83 0.0 0.0 33.93 1.3752 0.1835 -0.0363 0.007 0.0015 0.0014 5 6.96 0.0 0.0 33.93 1.5752 0.1835 -0.0363 0.007 0.0015 0.0014 6 9.08 0.0 0.0 33.86 1.7854 0.2121 -0.0829 0.0076 -0.0018 0.0008 7 11.19 0.0 0.0 33.86 1.7854 0.2465 -0.0830 0.0072 -0.0015 0.0016 7 11.19 0.0 0.0 33.86 2.1213 0.3421 -0.1334 0.0072 -0.0015 0.0016 7 11.19 0.0 0.0 33.88 2.1213 0.3421 -0.1334 0.0079 -0.0016 0.0022 8 13.28 0.0 0.0 33.75 1.9670 0.2907 -0.1029 0.0073 -0.0016 0.0022 8 13.28 0.0 0.0 33.75 2.599 0.3987 -0.1534 0.0066 -0.0014 0.0008 10 17.43 0.0 0.0 33.76 2.3689 0.4810 -0.1500 0.0062 -0.0019 0.0023 11 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0012 13 23.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.86 2.5372 0.0991 -0.2557 0.0166 -0.0058 -0.0245 15 27.53 0.0 0.0 33.88 2.5301 1.2527 -0.3128 0.0246 -0.0044 -0.0217	15		0.0	0.0	33.82	2.5323	1.0976	-0.2807	0.0165	-0.0054	
PT ALPHA BETA IT 0 CL CD CM CY CN CR 1 -1.57 0.0 0.0 34.01 0.7046 0.1374 0.0572 0.0096 -0.0026 -0.0014 2 0.56 0.0 0.0 33.81 0.9293 0.1451 0.0233 0.0101 -0.0022 -0.0007 3 2.70 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 -0.0019 0.0005 4 4.83 0.0 0.0 33.93 1.3752 0.1835 -0.0363 0.0076 -0.0015 0.0014 5 6.96 0.0 0.0 33.90 1.5846 0.2121 -0.0829 0.0076 -0.0018 0.0008 6 9.08 0.0 0.0 33.86 1.7854 0.2465 -0.0830 0.0072 -0.0015 0.0014 7 11.19 0.0 0.0 33.75 1.9670 0.2907 -0.1029 0.0073 -0.0016 0.0022 8 13.28 0.0 0.0 33.68 2.1213 0.3421 -0.1834 0.0079 -0.0016 0.0022 8 13.28 0.0 0.0 33.89 2.2599 0.3987 -0.1534 0.0066 -0.0016 0.0022 9 15.36 0.0 0.0 33.89 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.87 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0026 11 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0012 13 23.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 15 27.53 0.0 0.0 33.88 2.5372 1.0916 -0.2577 0.0166 -0.0044 -0.0246 15 27.53 0.0 0.0 33.88 2.5372 1.0916 -0.2577 0.0166 -0.0044 -0.0217	16	29.52	0.0	0.0	33.72	2.5133	1.2543	-0.3349			
PT ALPHA BETA IT 0 CL CD CM CY CN CR 1 -1.57 0.0 0.0 34.01 0.7046 0.1374 0.0572 0.0096 -0.0026 -0.0014 2 0.56 0.0 0.0 33.81 0.9293 0.1451 0.0233 0.0101 -0.0022 -0.0007 3 2.70 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 -0.0019 0.0005 4 4.83 0.0 0.0 33.93 1.3752 0.1835 -0.0363 0.0076 -0.0015 0.0014 5 6.96 0.0 0.0 33.90 1.586 0.2121 -0.0829 0.0076 -0.0018 0.0008 6 9.08 0.0 0.0 33.86 1.7854 0.2465 -0.0830 0.0076 -0.0015 0.0016 7 11.19 0.0 0.0 33.66 1.7854 0.2465 -0.0830 0.0072 -0.0015 0.0016 7 11.19 0.0 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0016 0.0022 8 13.28 0.6 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0016 0.0023 9 15.36 0.0 0.0 33.88 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.75 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0017 12 21.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.63 2.5372 1.0916 -0.2557 0.0166 -0.0044 -0.0260											
PT ALPHA BETA IT 0 CL CD CM CY CN CR 1 -1.57 0.0 0.0 34.01 0.7046 0.1374 0.0572 0.0096 -0.0026 -0.0014 2 0.56 0.0 0.0 33.81 0.9293 0.1451 0.0233 0.0101 -0.0022 -0.0007 3 2.70 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 -0.0019 0.0005 4 4.83 0.0 0.0 33.93 1.3752 0.1835 -0.0363 0.0076 -0.0015 0.0014 5 6.96 0.0 0.0 33.90 1.586 0.2121 -0.0829 0.0076 -0.0015 0.0014 6 9.08 0.0 0.0 33.86 1.7854 0.2465 -0.0830 0.0076 -0.0015 0.0016 7 11.19 0.0 0.0 33.66 1.7854 0.2465 -0.0830 0.0072 -0.0015 0.0016 7 11.19 0.0 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0016 0.0022 8 13.28 0.6 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0016 0.0023 9 15.36 0.0 0.0 33.88 2.1213 0.3421 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.75 2.5689 0.4810 -0.1500 0.0066 -0.0014 0.0004 11 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0017 12 21.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.63 2.5372 1.0916 -0.2577 0.0166 -0.0044 -0.0068 15 27.53 0.0 0.0 33.63 2.5372 1.0916 -0.2770 0.0165 -0.0044 -0.0200								·-			•
PT ALPHA BETA IT 0 CL CD CM CY CN CR 1 -1.57 0.0 0.0 34.01 0.7046 0.1374 0.0572 0.0096 -0.0026 -0.0014 2 0.56 0.0 0.0 33.81 0.9293 0.1451 0.0233 0.0101 -0.0022 -0.0007 3 2.70 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 -0.0019 0.0005 4 4.83 0.0 0.0 33.93 1.3752 0.1835 -0.0363 0.0076 -0.0015 0.0014 5 6.96 0.0 0.0 33.90 1.586 0.2121 -0.0829 0.0076 -0.0015 0.0014 6 9.08 0.0 0.0 33.86 1.7854 0.2465 -0.0830 0.0076 -0.0015 0.0016 7 11.19 0.0 0.0 33.66 1.7854 0.2465 -0.0830 0.0072 -0.0015 0.0016 7 11.19 0.0 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0016 0.0022 8 13.28 0.6 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0016 0.0023 9 15.36 0.0 0.0 33.88 2.1213 0.3421 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.75 2.5689 0.4810 -0.1500 0.0066 -0.0014 0.0004 11 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0017 12 21.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.63 2.5372 1.0916 -0.2577 0.0166 -0.0044 -0.0068 15 27.53 0.0 0.0 33.63 2.5372 1.0916 -0.2770 0.0165 -0.0044 -0.0200											
1 -1.57							RUN 14				
2	PT	ALPHA	BETA	ĮΤ	ର	CL	CD	CM	CY	CN	CR
2 0.56 0.0 0.0 33.81 0.9293 0.1451 0.0233 0.0101 -0.0022 -0.0007 3 2.70 0.0 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 -0.0019 0.0005 4 4.83 0.0 0.0 0.0 33.93 1.3752 0.1835 -0.0363 0.0076 -0.0015 0.0014 5 6.96 0.0 0.0 33.90 1.5846 0.2121 -0.0829 0.0076 -0.0018 0.0008 6 9.08 0.0 0.0 33.86 1.7854 0.2465 -0.0830 0.0072 -0.0015 0.0016 0.0022 8 13.28 0.0 0.0 33.68 2.1213 0.3421 -0.1029 0.0073 -0.0016 0.0022 8 13.28 0.0 0.0 33.86 2.1213 0.3421 -0.1334 0.0079 -0.0010 0.0023 9 15.36 0.0 0.0 33.89 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.76 2.3689 0.4810 -0.1500 0.0062 -0.0009 0.0026 11 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0017 12 21.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.63 2.5372 1.0916 -0.2770 0.0165 -0.0042 -0.0047 -0.0217 16 29.53 0.0 0.0 33.63 2.5372 1.0916 -0.2770 0.0165 -0.0042 -0.0217 16 29.53 0.0 0.0 33.88 2.5301 1.2527 -0.3128 0.0246 -0.0044 -0.0200	1.	-1.57	0.0	0.0	34.01	0.7046	0.1374	0-0572	0 - 009.6	-0.0026	-0.0014
3 2.70 0.0 0.0 33.82 1.1621 0.1603 -0.0042 0.0077 -0.0019 0.0005 4 4.83 0.0 0.0 33.93 1.3752 0.1835 -0.0363 0.0076 -0.0015 0.0014 5 6.96 0.0 0.0 33.90 1.5846 0.2121 -0.0829 0.0076 -0.0018 0.0008 6 9.08 0.0 0.0 33.86 1.7854 0.2465 -0.0830 0.0072 -0.0015 -0.0010 7 11.19 0.0 0.0 33.75 1.9670 0.2907 -0.1029 0.0073 -0.0016 0.0022 8 13.28 0.0 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0016 0.0022 9 15.36 0.0 0.0 33.88 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.77 2.4750	2										
4 4.83 0.0 0.0 33.93 1.3752 0.1835 -0.0363 0.0076 -0.0015 0.0014 5 6.96 0.0 0.0 0.0 33.90 1.5846 0.2121 -0.0829 0.0076 -0.0018 0.0008 6 9.08 0.0 0.0 0.0 33.86 1.7854 0.2465 -0.0830 0.0072 -0.0015 0.0016 7 11.19 0.0 0.0 33.75 1.9670 0.2907 -0.1029 0.0073 -0.0016 0.0022 8 13.28 0.0 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0010 0.0023 9 15.36 0.0 0.0 33.88 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.76 2.3689 0.4810 -0.1505 0.0087 -0.0011 -0.0017 12 21.52 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0017 <		2.70			_						
5 6.96 0.0 0.0 33.90 1.5846 0.2121 -0.0829 0.0076 -0.0018 0.0008 6 9.08 0.0 0.0 33.86 1.7854 0.2465 -0.0830 0.0072 -0.0015 0.0016 7 11.19 0.0 0.0 33.75 1.9670 0.2907 -0.1029 0.0073 -0.0016 0.0022 8 13.28 0.0 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0010 0.0023 9 15.36 0.0 0.0 33.89 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.76 2.3689 0.4810 -0.1500 0.0062 -0.0009 0.0026 11 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0017 12 21.52 0.0 0.0 33.85 2.5236 0.6776 -0.1483 0.0112 -0.0011 -0.0120 13											
6 9.08 0.0 0.0 33.86 1.7854 0.2465 -0.0830 0.0072 -0.0015 0.0010 7 11.19 0.0 0.0 33.75 1.9670 0.2907 -0.1029 0.0073 -0.0016 0.0022 8 13.28 0.0 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0010 0.0023 9 15.36 0.0 0.0 33.89 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.76 2.3689 0.4810 -0.1500 0.0062 -0.0009 0.0026 11 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0017 12 21.52 0.0 0.0 33.91 2.5236 0.6776 -0.1483 0.0112 -0.0011 -0.0120 13 23.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.86 2.5372 0.9491 -0.2557 0.0166 -0.0058 -0.0245 15 27.53 0.0 0.0 33.88 2.5301 1.2527 -0.3128 0.0246 -0.0044 -0.0200	5	6.96	0.0	0.0							
7 11.19 0.0 0.0 33.75 1.9670 0.2907 -0.1029 0.0073 -0.0016 0.0022 8 13.28 0.0 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0010 0.0023 9 15.36 0.0 0.0 33.89 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.76 2.3689 0.4810 -0.1500 0.0062 -0.0009 0.0026 11 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0017 12 21.52 0.0 0.0 33.91 2.5236 0.6776 -0.1483 0.0112 -0.0011 -0.0120 13 23.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.86 2.5372 0.9491 -0.2557 0.0166 -0.0058 -0.0245 15 27.53 0.0 0.0 33.88 2.5301 1.2527 -0.3128 0.0246 -0.0044 -0.0200		9.08		0.0							
8 13.28 0.0 0.0 33.68 2.1213 0.3421 -0.1334 0.0079 -0.0010 0.0023 9 15.36 0.0 0.0 33.89 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.76 2.3689 0.4810 -0.1500 0.0062 -0.0009 0.0026 11 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0017 12 21.52 0.0 0.0 33.91 2.5236 0.6776 -0.1483 0.0112 -0.0011 -0.0120 13 23.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.86 2.5372 0.9491 -0.2557 0.0166 -0.0058 -0.0245 15 27.53 0.0 0.0 33.88 2.5372 1.0916 -0.2770 0.0165 -0.0042 -0.0217 16 29.53 0.0 0.0 33.88 2.5301 1.2527 -0.3128 0.0246 -0.0044 -0.0200			0.0	0.0							
9 15.36 0.0 0.0 33.89 2.2599 0.3987 -0.1534 0.0066 -0.0014 0.0004 10 17.43 0.0 0.0 33.76 2.3689 0.4810 -0.1500 0.0062 -0.0009 0.0026 11 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0017 12 21.52 0.0 0.0 33.91 2.5236 0.6776 -0.1483 0.0112 -0.0011 -0.0120 13 23.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.86 2.5372 0.9491 -0.2557 0.0166 -0.0058 -0.0245 15 27.53 0.0 0.0 33.63 2.5372 1.0916 -0.2770 0.0165 -0.0042 -0.0217 16 29.53 0.0 0.0 33.88 2.5301 1.2527 -0.3128 0.0246 -0.0044 -0.0200	8		0.0								
10 17.43 0.0 0.0 33.76 2.3689 0.4810 -0.1500 0.0062 -0.0009 0.0026 11 19.49 0.0 0.0 33.77 2.4750 0.5742 -0.1525 0.0087 -0.0011 -0.0017 12 21.52 0.0 0.0 33.91 2.5236 0.6776 -0.1483 0.0112 -0.0011 -0.0120 13 23.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.86 2.5337 0.9491 -0.2557 0.0166 -0.0058 -0.0245 15 27.53 0.0 0.0 33.86 2.5372 1.0916 -0.2770 0.0165 -0.0042 -0.0217 16 29.53 0.0 0.0 33.88 2.5301 1.2527 -0.3128 0.0246 -0.0044 -0.0200	9										
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10										
12 21.52 0.0 0.0 33.91 2.5236 0.6776 -0.1483 0.0112 -0.0011 -0.0120 13 23.52 0.0 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.86 2.5337 0.9491 -0.2557 0.0166 -0.0058 -0.0245 15 27.53 0.0 0.0 33.63 2.5372 1.0916 -0.2770 0.0165 -0.0042 -0.0217 16 29.53 0.0 0.0 33.88 2.5301 1.2527 -0.3128 0.0246 -0.0044 -0.0200	11	19.49	0.0								· - ·
13 23.52 0.0 0.0 33.85 2.5210 0.8122 -0.2399 0.0211 -0.0039 -0.0286 14 25.53 0.0 0.0 33.86 2.5337 0.9491 -0.2557 0.0166 -0.0058 -0.0245 15 27.53 0.0 0.0 33.63 2.5372 1.0916 -0.2770 0.0165 -0.0042 -0.0217 16 29.53 0.0 0.0 33.88 2.5301 1.2527 -0.3128 0.0246 -0.0044 -0.0200	1.2										
14 25.53 0.0 0.0 33.86 2.5337 0.9491 -0.2557 0.0166 -0.0058 -0.0245 15 27.53 0.0 0.0 33.63 2.5372 1.0916 -0.2770 0.0165 -0.0042 -0.0217 16 29.53 0.0 0.0 33.88 2.5301 1.2527 -0.3128 0.0246 -0.0044 -0.0200											
15 27.53 0.0 0.0 33.63 2.5372 1.0916 -0.2770 0.0165 -0.0042 -0.0217 16 29.53 0.0 0.0 33.88 2.5301 1.2527 -0.3128 0.0246 -0.0044 -0.0200	-14										
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15	27.53		0.0							
17 / 05 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16	29.53		···· 0:0····						_	
	17	6.95	0.0	0.0							

		- Marine Trans. Var.			The Magnetine response automorphisms and the second of special contracts of	RUN 15		**************************************		
PT	ALPHA	BETA	ΙΤ	Q	CL	CD	СМ	СҮ	CN	CR
1	-1.53	0.0	0.0	33.80	0.7771	0.1273	-0.0571	0.0085	-0.0019	-0.0022
5		.6 * 6	0.0	33.85	0.9967	- 0.1371 -	-0.0856	0.0103	-0.0021	-0.0029
3	2.74	0.0	0.0	33.84	1.2224	0.1551	-0.1115	0.0082	-0.0021	-0.002
4	4.87	.00	0.0	33.98	1-4411	0.1808 -	-0.1196	- 0.0090 -	-0.0019	-0.002
5	6.99	0.0	0.0	33.85	1.6326	0.2119	-0.1578	0.0086	-0.0016	-0.001
6	9.10	0.0		33.88	1.8215	0.2471	-0.1409	0.0071	-0.0013	-0-000
7	11.20	0.0	0.0	33.88	1.9944	0.2906	-0.1456	0.0071	-0.0013	-0.000
8	12.25	0.0	······································	33.80	2.0656	0.3142	-0.1458	0.0051	-0.0002	0.000
9	13.29	0.0	0.0	33.75	2.1320	0.3408	-0.1585	0.0071	-0.0007	-0.000
10	15.38	0.0	0.0	33.83 -		0.3999	-0.1785	0.0075	-0.0012	-0. 002
1.1	17.45	0.0	0.0	33.82	2.4089	0.4780	-0.1998	0.0106	-0.0020	-0.008
12	19.51	0.0	0 • 0	34.12	2 -5 0 60	0.5787			-0.0011	0-003
13	21.55	0.0	0.0	34.03	2.5629	0.6807	-0.2049	0.0097	-0.0007	-0.010
14	23.54	0.0	0.0	33.85			-0.2537		-0.0032	-0.028
15	25.55	0.0	0.0	33.82	2.5605	0.9459	-0.2748	0.0203	-0.0055	-0.029
16	27.55	0.0	0.0	33.96	2.5587	1:1 006	0.3094			-0.0 2 4
1.7	29.54	0.0	0.0	33.86	2.5429	1.2523	-0.3358	0.0259	-0.0033	-0.023
18	2.74	0.0	0.0	58。62	1.2285	0.1540	-0.1066		···· =0.00 19····	-0.003
							There exists we sweet the site		e (), an an (), and ()	
					S 0 2	PIIN 16	ridas, minje i pom projek spoje p	A 1 1 14 THE 28 YEAR		a trace of the materials of
						RUN 16	erden versig opposition hand of			
РΤ	ΔΙΡΗΔ	ВЕТА	ΙT	 O		CD	CM	CY	CN	CR
1	-1.56	0.0	0.0	33.66	0.7312	CD 0.1788	-0.0383	CY 0.0122	CN -0.0030	
1	-1.56 0.57	0.0	0.0	33.66 33.89	0.7312 0.9470	CD 0.1788 0.1875	-0.0383	0.0122 0.0127		-0.004
1 2 3	-1.56 0.57 2.70	0.0 0.0 0.0	0.0 0.0 0.0	33.66 33.89 33.93	0.7312 0.9470 1.1634	CD 0.1788 0.1875 0.2045	-0.0383 -0.0690 -0.0831	0.0122 0.0127 0.0122	-0.0030	-0.004 -0.003
1 2 3 4	-1.56 0.57 2.70 4.83	0.0 0.0 0.0 0.0	0.0 0.0 0.0	33.66 33.89 33.93 33.77	0.7312 0.9470 1.1634 1.3711	0.1788 0.1875 0.2045 0.2249	-0.0383 -0.0690 -0.0831 -0.0882	0.0122 0.0127 0.0122 0.0100	-0.0030 -0.0029	-0.004 -0.003 -0.004
1 2 3 4 5	-1.56 0.57 2.70 4.83 6.95	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88	0.7312 0.9470 1.1634 1.3711 1.5734	0.1788 0.1875 0.2045 0.2249 0.2522	-0.0383 -0.0690 -0.0831 -0.0882 -0.0908	0.0122 0.0127 0.0127 0.0122 0.0100 0.0106	-0.0030 -0.0029 -0.0029	-0.004 -0.003 -0.004 -0.002
1 2 3 4 5 6	-1.56 0.57 2.70 4.83 6.95 9.06	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88	0.7312 0.9470 1.1634 1.3711 1.5734 1.7554	0.1788 0.1875 0.2045 0.2249 0.2522 0.2845	-0.0383 -0.0690 -0.0831 -0.0882	0.0122 0.0127 0.0122 0.0100	-0.0030 -0.0029 -0.0029 -0.0024 -0.0023 -0.0015	-0.004 -0.003 -0.004 -0.002
1 2 3 4 5 6	-1.56 0.57 2.70 4.83 6.95 9.06	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88 33.77	0.7312 0.9470 1.1634 1.3711 1.5734 1.7554 1.9335	0.1788 0.1875 0.2045 0.2249 0.2522 0.2845 0.3273	-0.0383 -0.0690 -0.0831 -0.0882 -0.0908 -0.0967 -0.1091	0.0122 0.0127 0.0122 0.0100 0.0106 - 0.0078 0.0052	-0.0030 -0.0029 -0.0029 -0.0024 -0.0023 -0.0015 -0.0007	-0.004 -0.003 -0.004 -0.002 -0.001 0.001
1 2 3 4 5 6 7 8	-1.56 0.57 2.70 4.83 6.95 9.06 11.17	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88 33.77 33.75	0.7312 0.9470 1.1634 1.3711 1.5734 1.7554 1.9335 2.0737	0.1788 0.1875 0.2045 0.2249 0.2522 0.2845 0.3273 0.3756	-0.0383 -0.0690 -0.0831 -0.0882 -0.0908 -0.0967 -0.1091 -0.1133	0.0122 0.0127 0.0122 0.0100 0.0106 - 0.0078 0.0052 0.0047	-0.0030 -0.0029 -0.0029 -0.0024 -0.0023 -0.0015 -0.0007 -0.0003	-0.004 -0.003 -0.004 -0.002 -0.001 0.001
1 2 3 4 5 6 7 8	-1.56 0.57 2.70 4.83 6.95 9.06 11.17 13.25 15.34	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88 33.77 33.75 33.95 33.78	0.7312 0.9470 1.1634 1.3711 1.5734 1.7554 1.9335 2.0737	0.1788 0.1875 0.2045 0.2249 0.2522 0.2845 0.3273 0.3756 0.4341	-0.0383 -0.0690 -0.0831 -0.0882 -0.0908 -0.0967 -0.1091 -0.1133 -0.1234	0.0122 0.0127 0.0122 0.0100 0.0106 0.0078 0.0052 0.0047 0.0053	-0.0030 -0.0029 -0.0029 -0.0024 -0.0023 -0.0015 -0.0007 -0.0003 -0.0003	-0.004 -0.003 -0.004 -0.002 -0.001 0.001 0.000
1 2 3 4 5 6 7 8 9	-1.56 0.57 2.70 4.83 6.95 9.06 11.17 13.25 15.34 17.40	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88 33.77 33.75 33.75 33.78	0.7312 0.9470 1.1634 1.3711 1.5734 1.7554 1.9335 2.0737 2.2216 2.3238	0.1788 0.1875 0.2045 0.2249 0.2522 0.2845 0.3273 0.3756 0.4341	-0.0383 -0.0690 -0.0831 -0.0882 -0.0908 -0.0967 -0.1091 -0.1133 -0.1234 -0.1221	0.0122 0.0127 0.0122 0.0100 0.0106 - 0.0078 0.0052 0.0047 0.0053 0.0063	-0.0030 -0.0029 -0.0029 -0.0024 -0.0023 -0.0015 -0.0007 -0.0003 -0.0003 -0.0002	-0.004 -0.003 -0.004 -0.002 -0.001 0.001 0.000 0.000
1 2 3 4 5 6 7 8 9 10	-1.56 0.57 2.70 4.83 6.95 9.06 11.17 13.25 15.34 17.40 19.46	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88 33.75 33.75 33.75 33.78 33.78 33.84	0.7312 0.9470 1.1634 1.3711 1.5734 1.7554 1.9335 2.0737 2.2216 2.3238 2.4231	0.1788 0.1875 0.2045 0.2249 0.2522 0.2845 0.3273 0.3756 0.4341 0.5095 0.6008	-0.0383 -0.0690 -0.0831 -0.0882 -0.0908 -0.0967 -0.1091 -0.1133 -0.1234 -0.1221 -0.1231	0.0122 0.0127 0.0122 0.0100 0.0106 - 0.0078 0.0052 0.0047 0.0053 0.0063 0.0101	-0.0030 -0.0029 -0.0029 -0.0024 -0.0023 -0.0015 -0.0007 -0.0003 -0.0003 -0.0002 -0.0013	-0.004 -0.003 -0.004 -0.002 -0.001 0.001 0.000 0.000
1 2 3 4 5 6 7 8 9 10 11 12	-1.56 0.57 2.70 4.83 6.95 9.06 11.17 13.25 15.34 17.40 19.46 21.51	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88 33.75 33.75 33.78 33.78 33.78 33.84 33.76	0.7312 0.9470 1.1634 1.3711 1.5734 1.7554 1.9335 2.0737 2.2216 2.3238 2.4231 2.5022	0.1788 0.1875 0.2045 0.2249 0.2522 0.2845 0.3273 0.3756 0.4341 0.5095 0.6008 0.7089	-0.0383 -0.0690 -0.0831 -0.0882 -0.0908 -0.0967 -0.1091 -0.1133 -0.1234 -0.1221 -0.1231 -0.1146	0.0122 0.0127 0.0122 0.0100 0.0106 0.0078 0.0052 0.0047 0.0053 0.0063 0.0101	-0.0030 -0.0029 -0.0029 -0.0024 -0.0023 -0.0015 -0.0003 -0.0003 -0.0003 -0.0003 -0.0003 -0.0003	-0.004 -0.003 -0.004 -0.002 -0.001 0.001 0.000 0.004 -0.004
1 2 3 4 5 6 7 8 9 10 11 12 13	-1.56 0.57 2.70 4.83 6.95 9.06 11.17 13.25 15.34 17.40 19.46 21.51 23.50	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88 33.75 33.75 33.78 33.78 33.78 33.84 33.76 33.85	0.7312 0.9470 1.1634 1.3711 1.5734 1.7554 1.9335 2.0737 2.2216 2.3238 2.4231 2.5022 2.4778	0.1788 0.1875 0.2045 0.2249 0.2522 0.2845 0.3273 0.3756 0.4341 0.5095 0.6008 0.7089 0.8386	-0.0383 -0.0690 -0.0831 -0.0882 -0.0908 -0.0967 -0.1091 -0.1133 -0.1234 -0.1221 -0.1231 -0.1146 -0.1629	0.0122 0.0127 0.0122 0.0100 0.0106 0.0078 0.0052 0.0047 0.0053 0.0063 0.0101 0.0081 0.0261	-0.0030 -0.0029 -0.0029 -0.0024 -0.0023 -0.0015 -0.0003 -0.0003 -0.0003 -0.0003 -0.0008 -0.0008 -0.0044	-0.004 -0.003 -0.004 -0.002 -0.001 0.001 0.000 -0.004 -0.009 -0.030
1 2 3 4 5 6 7 8 9 10 11 12 13	-1.56 0.57 2.70 4.83 6.95 9.06 11.17 13.25 15.34 17.40 19.46 21.51 23.50 25.50	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88 33.75 33.75 33.78 33.78 33.78 33.76 33.84 33.76	0.7312 0.9470 1.1634 1.3711 1.5734 1.7554 1.9335 2.0737 2.2216 2.3238 2.4231 2.5022 2.4778 2.4841	0.1788 0.1875 0.2045 0.2249 0.2522 0.2845 0.3273 0.3756 0.4341 0.5095 0.6008 0.7089 0.8386 0.9653	-0.0383 -0.0690 -0.0831 -0.0882 -0.0908 -0.0967 -0.1091 -0.1133 -0.1234 -0.1221 -0.1231 -0.146 -0.1629 -0.1664	0.0122 0.0127 0.0122 0.0100 0.0106 0.0078 0.0052 0.0047 0.0053 0.0063 0.0101 0.0081 0.0261 0.0192	-0.0030 -0.0029 -0.0029 -0.0024 -0.0023 -0.0015 -0.0003 -0.0003 -0.0002 -0.0013 -0.0008 -0.0044 -0.0056	-0.004 -0.003 -0.004 -0.002 -0.001 0.001 0.000 -0.004 -0.009 -0.030
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	-1.56 0.57 2.70 4.83 6.95 9.06 11.17 13.25 15.34 17.40 19.46 21.51 23.50 25.50 27.49	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88 33.75 33.75 33.78 33.78 33.78 33.76 33.84 33.76 33.85	0.7312 0.9470 1.1634 1.3711 1.5734 1.7554 1.9335 2.0737 2.2216 2.3238 2.4231 2.5022 2.4778 2.4841 2.4612	CD 0.1788 0.1875 0.2045 0.2249 0.2522 0.2845 0.3273 0.3756 0.4341 0.5095 0.6008 0.7089 0.8386 0.9653 1.1159	-0.0383 -0.0690 -0.0831 -0.0882 -0.0908 -0.0967 -0.1091 -0.1133 -0.1234 -0.1221 -0.1231 -0.146 -0.1629 -0.1664 -0.1706	0.0122 0.0127 0.0122 0.0100 0.0106 0.0078 0.0052 0.0047 0.0053 0.0063 0.0101 0.0081 0.0261 0.0192 0.0256	-0.0030 -0.0029 -0.0029 -0.0024 -0.0023 -0.0015 -0.0003 -0.0003 -0.0003 -0.0003 -0.0008 -0.0013 -0.0008 -0.0056 -0.0056 -0.0051	-0.004 -0.003 -0.004 -0.002 -0.001 0.001 0.000 -0.004 -0.009 -0.036 -0.035
1 2 3 4 5 6 7 8 9 10 11 12 13	-1.56 0.57 2.70 4.83 6.95 9.06 11.17 13.25 15.34 17.40 19.46 21.51 23.50 25.50	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	33.66 33.89 33.93 33.77 33.88 33.75 33.75 33.78 33.78 33.78 33.76 33.84 33.76	0.7312 0.9470 1.1634 1.3711 1.5734 1.7554 1.9335 2.0737 2.2216 2.3238 2.4231 2.5022 2.4778 2.4841	0.1788 0.1875 0.2045 0.2249 0.2522 0.2845 0.3273 0.3756 0.4341 0.5095 0.6008 0.7089 0.8386 0.9653	-0.0383 -0.0690 -0.0831 -0.0882 -0.0908 -0.0967 -0.1091 -0.1133 -0.1234 -0.1221 -0.1231 -0.146 -0.1629 -0.1664	0.0122 0.0127 0.0122 0.0100 0.0106 0.0078 0.0052 0.0047 0.0053 0.0063 0.0101 0.0081 0.0261 0.0192	-0.0030 -0.0029 -0.0029 -0.0024 -0.0023 -0.0015 -0.0003 -0.0003 -0.0002 -0.0013 -0.0008 -0.0044 -0.0056	-0.004 -0.002 -0.002 -0.002 -0.001 0.001 0.000 -0.004 -0.005 -0.036

TABLE II - PART 8 - TEST 1 DATA - CONTINUED.

RUN 17												
PΤ	ALPHA	BETA	ΙT	0	CL	CD	CM	CY	CN	CR		
1	-1.78	0.0	0.0	33.91	0.3610	0.1800	0.0689	0.0084	-0.0024	-0.0034		
-2	0.33 -	- 0.0 -		33.83	0.5511	0.1831	0:0581-	0.0104	-0.0023	-0.002		
3	2.45	0.0	0.0	33.87	0.7482	0.1915	0.0576	0.0114	-0.0024	-0.003		
- 4 -	4.57	0.0	0.0	34.08	0.9402	0.2057	0.0665	0.0093	-0.0023	-0.002		
5	6.69	0.0	0.0	34.00	1.1393	0.2267	0.0651	0.0092	-0.0016	-0.002		
-6	8.81	0.0	0.0	33.94	1.3386	0.2531	0.0405	0.0054	-0.0005	0.000		
7	10.94	0.0	0.0	33.91	1.5515	0.2903	0.0342	0.0045	0.0001	0.001		
8	- 11.99 -	0.0	0.0	33.95	1.6430	0.3138	0.0294	0.0040	-0.0002	0.001		
9	13.06	0.0	0.0	33.92	1.7479	0.3390	0.0204	0.0046	-0.0002	0.001		
10	- 15.16 -	0.0	0.0	33.97	1.9281	0.3942	-0.0058	0.0037	-0.0004	0.003		
11	17.28	0.0	0.0	34.07	2.1118	0.4662	-0.0271	0.0087	-0.0015	0.002		
12 -	- 19.38 -	0.0	0.0	33.87	2.2802	0.5683	-0.0563	0.0152	-0.0046	-0.002		
13	21.44	0.0	0.0	33.89	2.3828	0.6803	-0.0590	0.0073	-0.0011	-0.001		
14-	23.46		0.0	34.01	2.4213	0.8116	-0.1267 -	0.0203	-0.0039	-0.011		
15	25.47	0.0	0.0	33.95	2.4335	0.9384	-0.1627	0.0102	-0.0061	-0.021		
16-	27.48	0.0		34.02	2.4487	1.0808	-0.1858	0.0281	-0.0073	0.025		

						RUN 18				
PT	ALPHA	BETA	ΙT	Q	CL	CD	CM	CY	CN	CR
1	-1.76	0.0	0.0	33.93	0.3998	0.1269	0.0481	0.0075	-0.0018	-0.0024
2	0.36	0.0	0.0		0.5966	0.1312 -	0.0268	- 0.00 78-	-0.0017	-0.0016
3	2.48	0.0	0.0	33.82	0.7961	0.1411	0.0289	0.0081	-0.0019	-0.0020
4 -	4 _ 60 ~			34.07	1.0015	0.1584	0.0239	0.0087	-0.0017	-0.0008
5	6.73	0.0	0.0	33.91	1.2020	0.1828	0.0155	0.0112	-0.0016	-0.0013
	8.85		0.0	33.85	1.4025	0.2119	-0.0006	0.0084	-0.0016	-0.0005
7	10.97	0.0	0.0	33.82	1.5995	0.2513	-0.0004	0.0069	-0.0010	0.0010
	12.03	0.0	0.0	33.86	1.6986	0.2748	-0.0114	0.0068	-0.0010	0.0022
9	13.08	0.0	0.0	33.75	1.7949	0.3012	-0.0208	0.0068	-0.0004	0.0029
10	15.20		0.0	33.84	- -1 -9835	- 0.3591	-0.0594	0.0080	0.0014	0.0020
11	17.32	0.0	0.0	33.87	2.1848	0.4365	-0.1019	0.0088	-0.0016	0.0031
12 -	19.42	··· 0 - 0	0.0	33.87	2.3560	0.5410	-0.1348	0.0145	-0.0042	-0.0025
13	21.48	0.0	0.0	33.90	2.4508	0.6547	-0.1540	0.0067	-0.0005	-0.0017
	23,50 -			33.92	2.49 15	0.7854 -	-0.2188	0.0139	-0.0032	-0.0096
15	25.53	0.0	0.0	33.98	2.5313	0.9179	-0.2725	0.0211	-0.0056	-0.0225
- <u>N</u> -16-	27.54	0.0	0.0	33.96	2.5526	1.9667	-0.3151	- -0. 0211	-0. 0050	-0.0223 -0.0237

						RUN 19				,
PT	ALPHA	BETA	ΙT	0	CL	CD	C#	CY	CM	CR
1	-1.71	0.0	5.0	33.97	0.4837	A0S.f.O	-0.0739	0.0064	-0.0010	-0,0001
2	0.41	0.0	5.0	33.95	0.6808	0.1282	-0.0840	0.0063	-0.0011	-0.0008
3	2.53	0.0	5.0	33.86	0.8842	0.1422	-0.0905	0.0080	-0.0015	-0.0009
4	4.66	0.0	5.0	33.81	1.0897	0.1635	-0.0924	0.008 <u>1</u>	-0.0017	-0.0004
5	6.78	0.0	5.0	34.54	1.2935	0.1919	-0.0997	0.0093	-0.0013	0.0004
6	8.90	0.0	5.0	34.02	1.4855	0.2255	-0.1968	0.0082	-0.0012	0.0013
7	11.02	0.0	5.0	33.83	1.6816	0.2685	-0.1185	0.0053	-0.0011	0.0023
8	12.07	0.0	5.0	33.90	1.7782	0.2932	-0.1316	0.0066	-0.0008	0.0028
Q	13.13	0.0	5.0	33.79	1.8766	0.3243	-0.1374	0.0081	-0.0010	0.0030
10	15.25	0.0	5.0	33.85	2.0641	0.3862	-0.1782	0.0071	-0.0010	0.0049
11	17.37	0.0	5.0	34.76	2.2701	0.4761	-0.2204	0.0095	-0.0035	0.0021
12	19.46	0.0	5.0	34.25	2.4221	0.5866	-0.2444	0.0086	-0.0017	0.0017
13	21.53	0.0	5.0	33.82	2.5285	0.6945	-0.2446	0.0076	-0.0001	-0.0018
14	23.53	0.0	5.0	34.26	2.5371	0.8250	-0.2921	0.0154	-0.0041	-0.0127
15	25.56	0 . 0	5.0	33.54	2.5814	0.9596	-0.3135	0.0191	-0.0057	-0.0226
16	27.56	0.0	5.0	33.94	2.5907	1.1116	-0.3249	0.0194	-0.0061	-0.0222
						RIM 20				
PΤ	АГРНА	BETA	ΙT	^	٥.					
	ALFRA	PELA	1 !	O,	CL	, כח	CW	CY	CM	CR ·
1	-1.81	0.0	-5.0	34.19	0.3140	0.1451	0.1720	0.0075	-0.0014	-0.0017
S	0.31	0.0	~5.n	33.82	0.5130	0.1443	0.1552	0.0073	-0.0014	-0.0022
3	2.43	0.0	-5.0	34.04	0.7147	0.1498	0.1479	0.4079	-0.0013	-0.0012
4	4.55	0.0	-5.0	34.00	0.9185	0.1626	0.1399	0.0059	-0.0010	-0.0002
5	6.67	$0 \cdot 0$	-5.0	33.45	1.11.75	0.1835	0.1417	0.0065	-0.0010	0.0
6	8.79	0.0	-5.0	33.97	1.3125	0.2078	0.1304	0.0072	-0.0007	0.0011
7	10.92	0.0	-5.0	33.91	1.5149	0.2422	0.1171	0.0066	-0.0007	0.0015
8	11.97	0.0	-5.0	33.89	1.6123	0.2630	0.1088	0.0078	-0.0010	0.0019
9	13.04	0.0	-5.0	33.90	1.71.95	0.2877	0.0935	0.0065	-0.0005	0.0024
10	15.15	0.0	-5.0	33.72	1.9015	0.3301	0.0559	0.0067	-0.0009	0.0029
11	17.27	0.0	-5.0	34.10	2.1074	0.4120	0.0170	0.0068	-0.0017	0.0048
12	19.37	0.0	-5.0	34.01	2.2712	0.5065	-0.0130	0.0129	-0.0040	-0.0037
13	21.43	0.0	-5.0	34.14	2.3632	0.6138	-().()436	0.0058	-0.0003	-0.0006
14	23.46	0.0	-5.0	34.04	2.4219	0.7390	-0.1193	0.0150	-0.0023	-0.0076
15	25.49	0.0	-5.0	33.70	2.4602	0.8729	-0.2128	0.0195	-0.0060	-0.0204
16	27.50	0.0	-5.0	33.77	2.4905	1.0130	-0.2318	0.0185	-0.0069	-0.0224

FARLE II - PART B - TEST I DATA - CONTINUED.

						RIIM 21				
PΤ	ALPHA	BETA	ŤΤ	o	C-L	en	ÇM	ÇY	Ċ₩.	CR
1	0.46	0.0	10.0	34 ₄ ()0	0.7639	0.1338	-0.2040	0.0088	~0.001 6	-0.0018
2	0.42	- 0.0	5.0	33.99	0.6878	0.1275	-0.0872	$\alpha * \alpha \alpha \gamma \alpha$	-0.0009	÷0.∗0005
3	0.36	0.0	0.0	34.30	0.∞5961	0.1307	ብ • ሰንጓረዋ	0.40083	~ 0.₽0016	±0,•0013
4	0.30	0.0	-5.0	33.80	0.5025	0.1646	0'+1596	0.0071	-0.*0008	=6.0007
5	0.27	0.0	-10.0	33.84	0.4434	0.#1690	0.2492	0.0063	~0.000A	-0.0013
6	0.25	0.0	-15.0	33.87	0 #41 66	0.1877	0.3048	0.0063	~ 0.2008	-0.40009
7	0.24	ი ი	-20.0	34.08	0.3980	0.2157	0.3366	0+0062	-0.0006	-0.00ïe
						R##M 22				
PΤ	ALPHA	AFTA	ĪΤ	ລ	CE	CD.	C _M	r, y	EN.	СR
1	11.06	0.0	10.0	33.88	1.7568	0.2929	-0.2467	0.0067	-0.0006	0.0016
ž	11.01	0.0	5.0	34.12	1.6744	0.2682	-0.TT85	0.0056	=0.000R	0.0016
3	10.95	0.0	0 0	34.03	1.5927	0.2506	0.40008	0.0059	-0.0006	0.0023
4	10.91	0.0	-5.0	34.01	1.5142	0.2404	0.1182	0.0054	-0.0006	0.0013
5	10.87	0.0	-10.0	34.01	1.4411	0.2403	0.2158	0.400.68	-0.0005	0.0018
6	10.83	0.0	-15.0	33.76	1.3724	0.2491	0.3054	0.0065	-0.0005	0.0009
7	10.80	0.0	-20.0	34.07	1.3324	0.2653	0.3667	0.0076	-0.0011	ህ "ህህህጻ

			* *				•			
					. !	RUM 23				
PΤ	ALPHA	BETA	ΙŤ	۵	CL	CD	CM	CA	CN .	CR
1 2 3 4 5 6 7 8 9 10 11 12 13 14	-1.80 0.32 2.44 4.57 6.69 8.82 10.94 12.01 13.07 15.19 17.31 19.40 21.46 23.49 25.51 27.53	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	33.99 33.82 33.96 34.06 34.10 33.81 33.91 33.85 33.85 33.85 33.90 33.89 34.11 33.85 33.79	1.7765 1.9701 2.1642 2.3183 2.4187 2.4668	0.1381 0.1391 0.1466 0.1616 0.1835 0.2120 0.2509 0.2733 0.3023 0.3588 0.4354 0.5370 0.6505 0.7805 0.9135	0.1624 0.1435 0.1356 0.1234 0.1081 0.0884 0.0650 0.0390 0.0134 -0.0336 -0.0669 -0.0870 -0.1122 -0.1786 -0.2516 -0.2516	0.0069 0.0070 0.0064 0.0057 0.0083 0.0062 0.0057 0.0067 0.0069 0.0072 0.0142 0.0082 0.0158 0.0157 0.0182	-0.0012 -0.0010 -0.0012 -0.0009 -0.0011 -0.0008 -0.0005 -0.0003 -0.0011 -0.0020 -0.0045 -0.0007 -0.0045 -0.0057 -0.0071	-0.0010 -0.0013 -0.0009 0.0001 -0.0001 0.0010 0.0012 0.0017 0.0029 0.0037 0.0052 -0.0027 -0.0010 -0.0098 -0.0211

						RUN 24				
PT	ALPHA	BETA	ΙT	Q	CL	CD	СМ	CY	CN	CR
. —	-1.64	0.0	0.0	33.88	0.5937	0.1243	-0.2190	0.0102	-0.0022	-0.0019
1				- 33.84 -	0.76 04	0.1340	-0.1968	0.01 04	0.0018	-0.0018
Z	0.46			34.23	0.9454	0.1474	-0.1685	0.0092	-0.0019	-0.0017
- 3	2.57	0.0	0.0					0.0093	-0.0014	-0 0001
	4, 68	-0-0	0.0		1.1199	0.1934	-0.1000	0.0081	-0.0011	0.0012
5	6.78	0.0	0.0	33.96	1.2971			0.0078	-0.0008	0.0009
6 -	8.88		0.0	33.91	1 +532	- 0.2205 -			-0.0011	0.0009
7	10.97	0.0	0.0	34.08	1.6102	0.2531	-0.0255	0.0081		0.0009
	- 12.02 -	-0.0	0.0	33.94	1.6901	0 - 2726	-0.0043	- 0.0051	-0 -0004	
9	13.06	0.0	0.0	34.23	1.7499	0.2924	0.0260	0.0087	-0.0006	0.0014
-10		0.0-	0.0	33.86	1.8869	0.3351 -	0:0502	- 0.0064 -	-0 -0 009	0-0017
11	17.23	0.0	0.0	34.02	2.0315	0.3948	0.0881	0.0075	-0.0013	0.0024
		_		34.00	- 2.1450	0.4740	0.1281	0.0118	0.0036	-0.0025
12	19.30			34.04	2.1908	0.5678	0.1571	0.0067	-0.0001	-0.0018
13	21.32	0.0	0.0			0.6623	0.1556	- 0.n120	0.0	
14	- 23.33 -	0.0	0.0	34.06	2.1965		0.1566	0.0170	-0.0043	-0.0191
15	25.33	0.0	0.0	34.02	2.2004	0.7737		•	-0.0043	-0.0280
16	27,34	0.0	0:0	33.66	2.2167	0.8899	0.1564	0.0202	-040002	0.002,00

TABLE II - PART B - TEST 1 DATA - CONTINUED.

**** = 0000***						RUN 25				
PΤ	ALPHA	ВЕТА	ΙŦ	O	CL	CD	CM	CY	CN	CR
1	-1.40	0.0	0.0	33.96	0.9907	0.1241	-0.3503	0.0110	-0.0024	-0.004
2	-0.70	0.0	0.0	33.85	1.1672	0.1399	-0.3223	0.0120	-0.0025	-0.004
3	2.82	0.0	0.0	33.83	1.3591	0.1620	-0.2982	0.0111	-0.0025	-0.004
4	4.93		0.0	33.92	1.5407	0.1887	-0.2667	0.0094	-0.0018	-0.003
5	7.03	0.0	0.0	33.96	1.7062	0.2188	-0.2333	0.0104	-0.0018	-0.002
— 5 ⁻ -	9-12-	0.0	در - ه	33.93	1.8496	0.2503	-0.1935	0.0102	-0.0017	-0.002
7	11.20	0.0	0.0	34.13	1.9797	0.2886	-0.1472	0.0089	-0.0018	-0.001
- 8 -	12.23	0.0	0.0	34.09	2.0347	0.3065	-0.1168	0.0079	-0.0011	-0.000
9	13.25	0.0	0.0	34.06	2.0774	0.3272	-0.0925	0.0074	-0.0011	-0.000
10	15.32		0.0	33.97	2.1802	0.3749	-0.0552	0.0078	-0.0014	0.001
11	17.35	0.0	0.0	34.01	2.2427	0.4305	0.0082	0.0118	-0.0027	-0.008
12	19.38	·· · · · · · · · · · · · · · · · · · ·	0.0	33.93	2.2884	- 0.5076	0.0778	0.0084	-0.0013	-0.001
13	21.39	0.0	0.0	33.97	2.3062	0.5914	0.1071	0.0042	0.0006	-0.004
14	23.36	0.0	0.0	34.06	2.2558	0.6881	0.1297	0.0187	-0.0001	-0.027
15	25.36	0.0	0.0	34.03	2.2586	0.7993	0.1337	0.0212	-0.0039	-0.035
16	27 • 35 ···	0.0		33.88	2.2296	0.9142	0.1621	0.0172	-0.0028	-0.021

						RUN 26				
PT	ALPHA	BETA	ΙT	Q	CL	CD	CM	CY	CN	CR
1	-1.43	0.0	0.0	33.99	0.9453	0.1237	-0.3400	0.0115	-0.0026	-0.0021
2-	0.68		0.0	- 33.83 -	-1-1217	0.1395	-0.3064	0.0114	-0.0024	-0.0024
3	2.78	0.0	0.0	33.85	1.2923	0.1597	-0.2760	0.0095	-0.0023	-0.0015
4	4.89	0.0	0.0	33.88	1.4776	0.1857	-0.2529	0.0101	-0.0021	-0.0017
5	6.99	0.0	0.0	33.81	1.6378	0.2148	-0.2330	0.0091	-0.0017	-0.0011
6	9.08	0.0	0.0	34.02	1.7879	0.2442	-0.1716	0.0103	-0.0023	-0.0014
7	11.16	0.0	0.0	33.96	1.9200	0.2809	-0.1239	0.0065	-0.0012	0.0003
8	12.19	0.0	0.0	34.00	1.9765	0.3000	-0.0991	0.0077	-0.0012	0.0
9	13.22	0.0	0.0	33.99	2.0203	0.3223	-0.0682	0.0086	-0.0010	-0.0008
10	- 15.29	0.0.	0.0	33.85	- 2.1369 -	0.3672	-0.0386	0.0086	-0.0020	0.0006
11	17.33	0.0	0.0	33.78	2.2068	0.4291	0.0235	0.0065	-0.0010	0.0001
12	19.37	-0.0	0.0	33.82	2 - 2688	0.5041	0.0900	0.0076	-0.0006	-0.0023
13	21.39	0.0	0.0	34.08	2.2942	0.5880	0.1163	0.0066	0.0006	-0.0064
14	23.37	0.0	0.0	34.04	2.2616	0.6888	0.1437	0.0194	-0.0019	-0.0258
15	25.36	0.0	0.0	34.02	2.2509	0.7990	0.1386	0.0245	-0.0040	-0.0304
16 16	27.34	0.0	0.0	33.90	2.2114	0.9129	0.1730	0.0150	-0.0040 -0.0035	-0.0245

and the second of the second o

RIIM 27

						RUN 27				
PΤ	ALPHA	BETA	11	0	CL	CD	€M	CY	CN	CR
-1	-1.56	0.0	0.0	33.77	0.7250	0.0839	-0.2694	0.0113	-0.0025	~0.0045
2	0.56	0.0	0.0		0.9261	0.0959	-0.2554	0.0114	-0.0026	-0.0054
3	2.68	0.0	0.0	33.88	1.1233	0.1136	-0.2292	0.0095	-0.0018	-0.0033
. 4	4.80	0.0		33.78	1.3181	0.1379 -		0.0094	-0.0019	-0.00341
5	6.91	0.0	0.0	34.31	1.5083	0.1665	-0.1806	0.0100	-0.0015	-0.0036
	9.00	0.0		34.03	_	0.1978	-0.1593	0.0086	-0.0013	-0.0018
6	11.10	0.0	0.0	33.85	1.8199	0.2343	-0.0966	0.0089	-0.0017	-0.0029
7				33.68	···········1 •8832···· ··	···· 0 2536	+0.0784	0.0081	0.0013	-0.0017
8	12.14	0.0		34.04	1.9382	0.2747	-0.0459	0.0077	-0.0004	-0.0011
9	13.17	0.0	0.0	33, 90		0.3211		0.0091	-0.0016	-0.0019
10	15.24	0.0-			2.1414	0.3795	0.0348	0.0113	-0.0022	-0.0068
11	17.29	0.0	0.0	33.97	2 • 1 9 1 9 · · · · · · · · · · · · · · · ·	······· (1-4538 ···	0.0340	0.0085		-0.0009
12	19.33	0.0	~ ~ ~		2.2362	0.4938	0.1377	0.0068	0.0006	-0.0056
13	21.35	0.0	0.0	33.93 34.36		··· ·0 •6295 ····	0.1395	0.0124	0.0005	
14	23.35	0.0		33.65	2.2302	0.7410	0.1507	0.0227	-0.0029	-0.0304
15 16	25.35 27.33	0.0	0.0	33.79					~-0.003i	-0.0236
							en e			<u>. </u>
				P.1-24-24-14-14-14-1-1-1-1-1-1-1-1-1-1-1-1	namen mar is to the contract of	to programme as a summa agreement suffer the Mod Mod.	THE RESERVE OF THE PARTY OF THE	page 1 to 1911 to 1911 and 1911		
						List Control of the C		gen in the form of the state of the state of the		
					· · · · · · · · · · · · · · · · · · ·				فالمفاف فمياني الرابيي الراسيي	
	g der a ma schame.		and the state of t		nds - two was 1988 f made to member state to		and the state of t		navammen men vær i frå fli fu dlift de	and the minimum representation of the
				· · · · · · · · · · · · · · · · · · ·						
	and the second second second		<u></u>							
	or a section of the s								WALKEL AREA C - C - C - C - C - C - C - C - C - C	The second secon

TABLE III - PART A - TEST 2 TABULATION SCHEDULE

						V	ling	-						Π		Ta	11			
Run	q	l	a R	ange	δf		δD	LC	δη			love lat	Flap Actuator Fairings		it		δSI	3	δSF	Comments
1	34	5	-2-	≻ 26	35		-4 	.5	17	°MOD		On	On 		o 		Of:		Off	Sim. 1/10 scale Bracket Blockage
2			-2-	← 24																1/10 scale bikge., Nozzles Plugged
. 3		1	-2-	- 26									Off							
4	51			<u> </u>							<u> </u>		t							
5	34	.5					1						0n		_					
6							5												1	
7															+				45	_
8					-										. 5					
9							-								-5				*	
10							20								0				Off	
11							Ċ								†					
12							-4	.5							-5	I				
13					•		1	1		+		♦	+		Off		7		¥	Horizontal Tails Off

									9	
						RUN 1				
PT	ALPHA	BETA	Į T	a	CL	CD	CM	CY	CN	CR
1	-1.52	0.0	0.0	34.00	0.7945	0.1329	-0.0658	0.0087	-0.0026	-0.0060
2	0.61	0.0	0.0	33.93	1.0143	0.1441	-0.0903	0.0095	-0.0025	-0.0071
3	2.73	0.0	0.0	33.92	1.2136	0.1630	-0.0972	0.0102	-0.0022	-0.0059
4	4.85	0.0	0.0	34.01	1.4094	0.1874	-0.0886	0.0120	-0.0021	-0.0061
5	6.98	0.0	0.0	33.85	1.6293	0.2219	-0.1011	0.0087	-0.0018	-0.0030
ĸ	9.10	0.0	0.0	33.86	1.8164	0.2582	-0.0929	0.0090	-0.0018	-0.0024
7	11.23	0.0	0.0	33.99	2.0336	0.3113	-0.0989	0.0083	-0.0008	-0.0031
8	12.28	$0 \cdot 0$	0.0	33.97	2.1173	0.3379	-0.1071	0.0097	-0.0010	-0.0021
9	13.34	0.0	0.0	34.06	2.2105	0.3680	-0.1196	0.0121	-0.0014	-0.0018
10	15.43	n.n	0.0	33.94	2.3751	0.4409	-0.1328	0.0075	-0.0010	0.0061
1.1	17.51	0.0	0.0	33.84	2.5054	0.5278	-0.1507	0.0110	-0.0015	0.0001
12	19.57	0.0	0.0	33.96	2.6033	0.6223	-0:1557	0.0113	-0.0019	0.0001
13	21.61	0.0	0.0	33.92	2.6577	0.7398	-0.2135	0.0103	-0.0008	-0.0049
14	23.60	0.0	0.0	33.98	2.6562	0.8776	-0.2923	0.0056	0.0024	0.0138
1.5	25.64	0.0	0.0	33.88	2.7076	1.0222	-0.3435	0.0019	0.0027	0.0188
16	27.63	0.0	0.0	33.84	2.7046	1.1672	-0.3720	0.0004	-0.0005	0.0019
						••	•			
						RUN 2				
PΤ	A 1 D11A	DETA			21					
Pi	ALPHA	BETA	ΙŤ	O	CL	CD	CM.	CY	CN	CR
1	-1.49	0.0	0.0	33.94	0.8362	0.1374	-0.0318	0.0116	-0.0034	-0.0079
2	0.63	0.0	U.O	34.02	1.0489	0.1505	-0.0399	0.0114	-0.0031	-0.0079
3	2.76	0.0	0.0	34.00	1.2628	0.1709	-0.0581	0.0133	-0.0030	-0.0082
4	4.89	0.0	0.0	34.12	1.4749	·····0 •1985····	-0:0728	0.0149	-0.0029	-0:0083
5	7.00	0.0	0.0	34.08	1.6602	0.2307	-0.0784	0.0147	-0.0023	-0.0076
6	9.11	0.0	0.0	34.09	1.8450 "	0-2685	-0:0873	0.0126	-0.0020	-0.0041
7	13.21	0.0	0.0	34.21	2.0017	0.3137	-0.1396	0.0111	-0.0014	-0.0028
8	12.27	0.0	0.0	34.10	2.0961	0.3424	-0.1456	0 .010 6	-0.0013	-0.0033
9	13.32	0.0	0.0	34.19	2.1861	0.3765	-0.1498	0.0131	-0.0015	-0.0033
10	15.42	0.0	0.0	34.01	2.3461	0.4497	··· =0:1762	0.0134	-0.0021	-0.0026
11	17.49	0.0	0.0	33.98	2.4626	0.5435	-0.1653	0.0141	-0.0023	-0.0009
12	19.54	0.0	0.0	34.24	2.5539	0.6358	-0.1790	0.0135	-0.0020	-0.0026
13	21.58	0.0	0.0	34.05	2.6169	0.7487	-0.2250	0.0152	-0.0026	-0.0016
14	23.62	0.0	0.0	33.99	2.5866	0.8776	-0.3162	0.0122	-0.0028	-0.0045
15	25.61	0.0	0.0	33.91	2.6726	1.0188	-0.3553	0.0098	0.0025	0.0084
			•	2 60 1			arter talent carriers and accommon and accom-	tana was tana.		

TABLE III - PART B	- TEST	2 DATA -	CONTINUED.
--------------------	--------	----------	------------

			•							The state of the s	
							RUN 3				
	PΤ	ALPHA	BETA	ΙΤ	Q	CL	Cn	. CM	CY	CN	CR
	1	-1.52	0.0	0.0	33.98	0.7907	0.1338	-0.0689	0.0070	-0.0024	-0.0013
	···2	• 0 -61	~ ⊕. ⊕. ~		3 4.17		0.1440	-0.0821	0.0080-	-0.0022	-0.0006
	3	2.74	0.0	0.0	34.23	1.2192	0.1626	-0.1063	0.0076	-0.0020	-0.0020
	~ 4	4.86	·····• • • • • • • • • • • • • • • • •		34.27	1- 4259 -	0:1 886	0.1017	0-0098	~~ -0 .0 025	-0.0021 -
	5	6.98	0.0	0.0	34.17	1.6216	0.2207	-0.1092	0.0112	-0.0019	-0.0017
	6	9.09	0.0	0.0	34.15	1.8119	0.2580	-0.1067	0 -0085	-0.0017	-0.0003
	7	11.21	0.0	0.0	34.36	2.0090	0.3066	-0.0987	0.0100	-0.0019	-0.0014
	8	12.28	0.0		34.09	2 •1198	- - 0.3367	-0.1018	0.0092	-0.0015	0 •00 07 ·
	9	13.34	0.0	0.0	34.04	2.2138	0.3661	-0.1143	0.0124	-0.0024	-0.0006
	10	15.44	0.0	0.0	34.03	2.3772	- 0.4379 -	-0.1305		-0.0036	-0.0031-
	11	17.50	0.0	0.0	33.99	2.4885	0.5236	-0.1538	0.0114	-0.0028	0.0036
	12	19.57	0.0	0.0-	34:14	2.5952	0.6222-	-0.1482		0.0034	0.0045
	13	21.60	0.0	0.0	34.01	2.6511	0.7408	-0.2171	0.0090	-0.0020	0.0
	14	23.63	0.0	0.0	34.00	2.7038	0.8726	-0.3 2 38	0.01-29	-0.0013	-0.0013
	15	25.64	0.0	0.0	34.05	2.7226	1.0193	-0.3514	0.0018	0.0021	0.0181
	16	27.63	ñ.ñ	0.0		2.7001	1.1592	0.3920-	- 0.0114 ·	-0.0021	
							RUN 4		No. 198		
						a.	***		A. 175m		
	PΤ	AL PHA	BETA	ΙT	Ω _. .	CL		CM	CY	CN	C R
	1	-1.52	0.0	0.0	49.83	0.7880	0.1324	-0.0738	0.0079	-0.0024	-0.0009
	2	0.60	$0 \bullet 0$	0.0	50.27	1.0016	10 • 1:432 · · ·	-0.0909	0.0090	-0.0024	-0.0015
	3	2.73	0.0	0.0	50.38	1.2161	0.1610	-0.1018	0.0089	-0.0021	-0.0018
	4	4.85	0.0	0.0	50.20	1.4124	"" 0 • † 85 9	- =0.1051 -	0.0094	-0.0019 -	-0. 0018
	5	- 6.97	0.0	0.0	50.28	1.6109	0.2187	-0.1054	0.0111	-0.0018	-0.0021
	- 6	9.09	0.0	0.0	50.29	1.8014	0.2557	-0.1081	0.01.09	-0.0016	-0.0027
	. 7	11.21	0.0	0.0	50.15	2.0111	0.3061	-0.0965	0.0089	-0.0012	-0.0011
	8	12.28	0.0	0.0	50.36	2.1200	0.43346	-0.1021	⊕0.0116	-0.0019	-0.0007
	9	13.33	0.0	0.0	50.28	2.2048	0.3645	-0.1249	0.0124	-0.0018	-0.0006
	10	15.43	0.0	0.0	~ 50.22	2.3627	0.4407	-0.1284-	0.0096	0.0019	0.0016
	11	17.51	0.0	0.0	50.15	2.4986	0.5270	-0.1542	0.0089	-0.0018	0.0032
	12	19.58	0.0	0.0	49.58	2.6079	0.6275	-0.1536	······ 0 108	-0.0023	0.0034
	13	21.60	0.0	0.0	49.89	2.6444	0.7378	-0.2119	0.0104	-0.0006	-0.0030
	14	23.61	0.0	0.0	50.11	2.6640	0.8752	~0.3006	0.0110		0.0067
29	15	25.62	0.0	0.0	49.54	2.6890	1.0271	-0.3431	0.0030	0.0005	0.0123
_		-		. • •			A + '7. 1 A	V-0 101	0 + 110,00	V ■ VV E, J	0 10 10 2

						RUN 5				
ΡŢ	ALPHA	BETA	ŢΤ	Q	CL	CD	CM	CY	CN	CR
1	-1.53	0.0	0.0	34.00	0.7796	0.1325	-0.0573	0.0086	-0.0030	-0.005
		0.0	0.0	34.06	0.9985	0.1435	-0.0673	0.0097	-0.0027	0.004
~~~	<del>- 0.60</del> -			33.83	1.2115	0.1621	-0.0763	0.0119	-0.0026	-0.003
3	2.73	0.0	0.0		1.4214	0.1863	-0.0802	0.0121	-0.0028	-0.004
4	4 86		0.0	<del>- 94.00</del>			-0.0962	0.0142	-0.0026	-0.005
5	6.97	0.0	0.0	33.89	1.6106	0.2176			-0.0018	-0.006
- 6	9.10	0.0	0.0	33.84	1.8188	0.2570	-0.0993	0.0120	•	
7	11.23	0.0	0.0	34.02	2.0283	0.3066	-0.0982	0.0100	-0.0017	-0.002
·	12.28	-0.0-	0.0	33.89	2.1191	0.2221	<del>0.3840</del>	<del>0.0109</del>	<del>-0.0013</del>	-0.002
9	13.33	0.0	0.0	33.96	2.2088	0.3640	-0.1205	0.0130	-0.0018	-0.001
•		·	- 0.0	33.84	2.3653	0.4334	<del>-0.1387</del>	0.0149	<del>~0.0030</del>	<del>~0.00</del> 2
10	<del>15.43</del> -	0-0	-	·	2.4898	0.5240	-0.1538	0.0114	-0.0023	0.000
11	17.50	0.0	0.0	33.92			<del>-0.1595</del>	0.0105	-0:0027	0.00
-12	~ <del>19.5</del> 6	· · · · · · · · · · · · · · · · · · ·	0.0	<del>- 33.94</del>	<del>- 2.5851</del> -	0.6203			-0.0010	-0.00
13	21.59	0.0	0.0	33.82	2.6387	0.7340	-0.2251	0.0077	+	<del>-0.00</del>
14	- <del>23.64</del> -		<del>0.0</del> -	<del>33.72</del>	<del>2.7076</del>	0.8728	<del>-0.3124</del>	0.0145	-0.0017	<del>-</del>
15	25.63	0.0	0.0	33.99	2.7052	1.0116	-0.3601	0.0026	0.0019	0.019
16-	27.62	<del>0.0</del>		33.80	<del>2.6862</del>	1.1553	<del>0.3759 -</del>	0.0142	-0.0009	-0.00

RUN 6											
PT	ALPHA	BETA	ΙT	Q	CL	CD	CM	CY	CN	CR	
1	-1.71	0.0	0.0	34.09	0.4753	0.1336	0.0385	0.0077	-0.0024	0.0007	
	0-41	- <del>0.0</del>	<del>0.0</del>	34.20	0.6764	0.1387	0.0206	0 <del>.0075</del>	-0.0023	0.0009	
2	2.53	0.0	0.0	33.89	0.8819	0.1512	0.0242	0.0082	-0.0022	0.0006	
	~ ~ 4° 65	<del>0.0</del>		33.84	1 ·0872	0.1702	0.0203	<del>0.0089</del> -	0.0021	0.0015	
5	6.78	0.0	0.0	33.95	1.2982	0.1970	0.0211	0.0108	-0.0021	0.0005	
	8.90	= =	0.0	34.05	1.4950	0.2309	0.0128	0.0092	-0.0017	0.0016	
5	11.03	0.0	0.0	34.11	1.7069	0.2754	0.0046	0.0070	-0.0014	0.0030	
	11.03	0.0	<del>- 0.0 -</del>	34.06	1 80 43	<del>0.3001</del>	<del>0.0003</del>	0.0089		0.0028	
8		0.0	0.0	34.39	1.9188	0.3327	-0.0222	0.0118	-0.0013	0.0033	
9 • 1 <del>0</del> •	13.16 - 15.28	0.0~~	· · · · · · · · · · · · · · · · · · ·	<del>33.76</del>	- 2 <del>.1154</del>	0.3984	<del>-0.0429</del> ***	<del>0.0119</del>	<del>-0.0029</del>	<del>0-0024</del>	
11	17.40	0.0	0.0	34.03	2.3136	0.4841	-0.0946	0.0123	-0.0027	0.0038	
		0.0 0.0	0.0	34.04	<del>- 2.4337</del>	0.5914	-0.0987	0.0109	-0.0019	0.0011	
12	19.47	0.0	0.0	34.00	2.5072	0.7077	-0.1612	0.0111	-0.0005	-0.0043	
13	21.51	· · <del>·() • ()</del>	····· <del>································</del>	33.76	<del>2 55</del> 22 -	0.8278	-0.2590	0.0170	-0.0012	<del>-0.003</del> 4	
14	23.54	· -	0.0	34.10	2.6329	0.9599	-0.3362	0.0065	-0.0035	-0.0038	
1.5	25.59 27.61	0.0 -0.0	0.0	34:36	2.6702	1.1190	-0.3582	0.0045	-0.0018		

TABLE III - PART B - TEST 2 DATA - CONTINUED.

0.0001

						RUM 7				
РΤ	ALPHA	BETA	ΙT	Q	CL	CD	СМ	CY	CN	CR
1	-1.75	0.0	0.0	33.49	0.4102	0.1435	0.1477	0.0083	-0.0026	0.0014
2	0.37	0.0		33-83	0:6108	0 • 1456 ····	0.1217	~~ <del>0.0068</del> ~~	-0.0021	··· 0.0010··
3	2.50	0.0	0.0	33.95	0.8212	0.1559	0.1237	0.0078	-0.0019	0.0023
4	4.62	0.0		34.15	1 in240	0.172 <del>9</del>	0.1203	0.0085	~0.0020	*************************************
5	6.75	0.0	0.0	33.92	1.2353	0.1966	0.1019	0.0100	-0.0021	0.0017
1.6	8.87	0.0	<del>0-0</del>	33.79	1 4430	0.2298	0.0944	0nu31	=0:0018	0. <del>.002</del> 1
7	11.01	0.0	0.0	33.88	1.6697	0.2734	0.0667	0.0091	-0.0015	0.0033
· 8	-12.07	<del>0.0</del>		<del>33.98</del> -	1.7747	<del>0-2998</del>	0.0397	0.0098	-0.0015	0.0021
9	13.15	0.0	0.0	34.23	1.9006	0.3332	0.0127	0.0092	-0.0012	0.0034
10	15.27	0.0	0.•0	34 <u>-20</u>	2. <del>09</del> 62	0.3973	<del>-0.0181</del>	0.0118	~ <del>~0.0026</del> —	0.0037
11	17.38	0.0	0.0	34.21	2.2852	0.4813	-0.0550	0.0103	-0.0018	0.0047
12	19.46	0.0	0.0	33.81		<del>0.59</del> 35-	-0.0525	0.0101	-0.0016	0.0020
13	21.50	0.0	0.0	33.91	2.4834	0.7038	-0.1233	0.0072	0.0001	-0.0025
14	23.54	0.0		33.93	2.5428		<del>-0.2329</del> -	····· <del>0.0</del> 136		0 <del>:0</del> 023
15	25.59	0.0	0.0	34.04	2.6253	0.9614	-0.3032	0.0113	-0.0033	-0.0038
16	27÷60°	₩•₩	<del></del>	<del>~~~3</del> 4**13****	~~~ 2:6 <del>561</del> ~~	1-1182	<del>0.34</del> 51	<del>0 -0045</del>	<del>-0.0003</del>	*** **********************************
·						RUN 8				
PΤ	ALPHA	BETA	ΙT	ç)	CL	CD	СМ	CY	CN	CR
1	-1.70	0.0	5.0	34.22	0.4921	0.1323	0.0296	0.0087	-0.0032	-0.0002
2		<del>0.0</del>	<del>5.0</del>	<del>33.80</del>	0.6944	- <del>0.1397</del>	0.0136	0.0086	-0.0027	0.0004
3	2.55	0.0	5.0	34.09	0.9055	0.1538	0.0150	0.0099	-0.0027	0.0006
	4+67	0.0	<del> 5.0</del>	34.17	1.1106	0.1740	0.0047	0.0110	-0.0024	0.0006
5	6.80	0.0	5.0	33.87	1.3271	0.2048	-0.0063	0.0113	-0.0025	0.0009
<del></del>	<del>- 8.93</del>	<del>0.0</del>	5.0	33.78	1.5342	0.2418	<del>-0.0243</del>	0.0098	-0.0017	0.0018
7	11.06	0.0	5.0	34.21	1.7545	0.2910	-0.0516	0.0095	-0.0017	0.0019
8	12.12	0.0	5.0	33.44	1.8621	0.3188	-0.0775	0.0098	-0.0015	0.0011
9	13.19	0.0	5.0	33.77	1.9707	0.3525	-0.1042	0.0129	-0.0017	0.0019
<del>- 10 -</del>	<u>15.31</u> -	<del></del>	5.0	34.03	2.1662	0.4235	-0.1467	0.0141	-0.0030	0.0021
11	17.43	0.0	5.0	34.25	2.3600	0.5184	-0.2012	0.0127	-0.0025	0.0034
12	19.50	0.0	5.0	34.03	2.4913	0.6336	-0.1794	0.0112	-0.0018	0.0026
13	21.54	0.0	5.0	34.31	2.5517	0.7522	-0.2210	0.0103	0.0	-0.0034
1-4	<del>23.57</del>	0.0	5.0	33.99	2 + 5 9 4 9	0.8698	-0.2866	0.0127	-0.0011	-0.0035
. 15	25.60	0.0	5.0	34.26	2.6536	1.0116	-0.3342	0.0042	0.0	0.0059

2.6892

						RUN 9				
PΤ	ALPHA	BETA	ΙT	O	CL	CD	См	CY	CM	CR
1	-1.80	0.0	-5.0	34.08	0.3263	0.1601	0.2577	0.0081	-0.0027	0.0006
2	0.31	0.0	-5.0	34.06	0.5187	0.1603	0.2267	0.0076	-0.0024	0.0003
ã	2.44	0.0	-5.0	34.20	0.7309	0.1657	0.2273	0.0085	-0.0024	0.0015
4	4.57	0.0	-5.0	34.17	0.9456	0.1789	0.2207	0.0082	-0.0019	0.0013
5	6.70	0.0	-5.0	34.10	1.1507	0.1990	0.2003	0.0094	-0.0020	0.0008
6	8.82	0.0	-5.0	34.09	1.3579	0.2262	0.1966	0.0092	-0.0019	0.0026
7	10.96	0.0	-5.0	33.93	1.5852	0.2638	0.1719	0.0094	-0.0014	0.0019
8	12.03	0.0	-5.0	33.98	1.6999	0.2879	0.1457	0.0089	-0.0014	0.0014
9	13.10	0.0	-5.0	33.98	1.8204	0.3176	0.1179	0.0105	-0.0012	0.0030
10	15.22	0.0	-5.0	33.89	2.0176	0.3762	0.0847	0.0133	-0.0028	0.0029
11	17.33	0.0	-5.0	33.75	2.2076	0.4560	0.0602	0.0101	-0.0021	0.0037
12	19.41	0.0	-5.0	34.00	2.3285	0.5586	0.0489	0.0128	-0.0019	0.0021
13	21.44	0.0	-5.0	33.90	2.3871	0.6656	-0.0335	0.0094	0.0006	-0.0027
1.5	23.48	0.0	-5.0	33.91	2.4556	0.7866	-0.1456	0.0121	-0.0015	-0.0014
15	25.52	0.0	-5.0 -5.0	34.00	2.5184	0.9189	-0.1798	0.0090	-0.0036	-0.0018
16	27.57	0.0	-5.0	34.20	2.6004	1.0659	-0.2980	0.0038	0.0004	0.0028
						RUN 10				
Pͳ	ALPHA	BETA	ΙT	۵	CL	CD	€₩	CY	CN	CR
1	-1.81	0.0	0.0	34.01	0.3097	0.1580	0.0922	0.0067	-0.0011	0.0041
2	0.30	0.0	0.0	34.04	0.4899	0.1606	0+08 <del>4</del> 5	0.0085	-0.0013	0.0027
3	2.42	0.0	0.0	34.06	0.6887	0.1685	0.0616	0.0052	-0.0008	0.0038
4	4.54	0.0	0.0	34.08	0.8970	0.1875	0.0693	0.0083	-0.0007	0.0037
5	6.66	0.0	0.0	33.96	1.0999	0.2108	0.0624	0.0101	-0.0011	0.0032
6	8.79	0.0	0.0	34.15	1.3158	0.2433	0.0486	0.0081	-0.0007	~~0.0051
7	10.92	0.0	0.0	33.92	1.5157	0.2840	0.0412	0.0085	-0.0008	0:0041
8	11.98	0.0	0.0	33.83	1.6213	0-3099	······································	0.0063	- 0.0001 ·	0.0071
9	13.05	0.0	0.0	33.89	1.7387	0.3410	0.0145	0.0118	-0.0007	0.0053
10	15.17	0.0	0.0	33.65	1.9386	0.4016	-0:0032	0.0103	-0.0009	· • 0:0039
11	17.29	0.0	0.0	33.77	2.1354	0.4814	-0.0393	0.0106	-0.0012	0.0056
12	19.40	0.0	0.0	33.99	2.3209	0.5803	-0.0675	0.0108	-0.0012	0.0068
13	21.46	0.0	0.0	34.07	2.4164	0.6822	-0.1032	0.0134	0.0007	0.0001
14	23.44	0.0	0.0	34.06	2.3889		-0.1085	0.0136	0.0	0.0016
15	25.53	0.0	0.0	33.16	2.5335	0.9457	-0.2526	0.0115	-0.0030	-0.0017
16	27.5	0.0	0.0	32.89	2.5953	1.1037		0.0200	·=0.0013·	-0.0020

TABLE III - PART B - TEST 2 DATA - CONTINUED.

						RUN 11	MARKA STEERING STATES OF THE PERSON OF THE P			
PΤ	ΔΙΡΗΔ	BETA	IT	0	CŁ	CD	СМ	CY	CN	CR
1	-1.61	0.0	0.0	34.00	0.6417	0.1297	0.0002	0.0096	-0.0030	-0.0024
2	0.50	ი•ბ	0.0~	34.02	0.8326	0.1378	<del>-0.0324</del>	0.0104	-0.0031	-0.0013
3	2.64	0.0	0.0	34.21	1.0535	0.1518	-0.0273	0.0115	-0.0031	-0.0012
4	4.76	0.0	0.0	··· · <del>34 • 0</del> 2 ···	1.2612	*0***755* -	~~ <del>~0</del> % <del>028</del> 0	0.0123	-0.0030	-0:0011
5	6.88	0.0	0.0	34.10	1.4643	0.2032	-0.0280	0.0127	-0.0027	-0.0018
. 6	9.00	0.0	0.0	33.90	1.6543			···· 130° ··	-0.0027	-0.0017
7	11.13	0.0	0.40	33.87	1.8666	0.2859	-0.0436	0.0130	-0.0023	-0.0043
8	12.19	0.0	0.0	33.80	···1.9632 ···	0.3123 -	-0.0541	0.0116	-0.0013	-0.0041
9	13.25	0.0	0.0	33.82	2.0732	0.3461	-0.0687	0.0119	-0.0007	-0.0038
10	15.38	0.0	0.0	33.86	2.2777	··· • • • • • • • • • • • • • • • • • •	<del>-0.1076</del>	0.0176	-0.0019	-0.0079
11	17.46	0.0	0.0	33.90	2.4225	0.5152	-0.1771	0.0120	-0.0016	-0.0017
12	19.55	0.0	0.0	33.89	2.5640	·· 0.6341	-0.1527	0.0123	-0.0015	-0.0033
13	21.57	0.0	0.0	34.22	2 • 60 40	0.7282	-0.2205	0.0098	0.0003	-0.0078
14	23.61	0.0	0.0	33.88	2.6631	0.8608 "	-0.3158	0.0170	-0.0003	-0.0087
15	25.64	0.0	0.0	34.18	2.7178	0.9966	-0.3669	0.0069	0.0	0.0006
16	27.65	0.0	$0 \cdot 0$	33.91	2.7262	1.1426	-0.3 <del>95</del> 2	0.0028	0.0021	0.0070
					·	RUN 12				
PΤ	ALPHA	BETA	ΙT	o.	CL	cn	СМ	CY	CM	CR
1	-1.59	0.0	-5.0	34.00	0.6737	0.1483	0.0711	0.0100	-0.0032	-0.0072
2	0.52	0.0	<u>-5.0</u>	34.17	0.8683	0.1541	0.0703	0.0104	-0.0030	-0.0052
3	2.66	0.0	-5.0	33.78	1.0946	0.1665	0.0458	0.0099	-0.0026	-0.0034
4	4.78	0.0	-5.0	33.91	1.2947	0.1852	0.0257	0.0081	-0.0023	-0.0033
5	6.91	0.0	-5.0	33.85	1.5107	0.2148	0.0202	0.0112	-0.0020	-0.0028
6	9.03	0.0	-5.0	33.78	1.7078	0.2477	0.0094	0.0121	-0.0022	-0.0019
7	11.16	0.0	-5.0	33.77	1.9131	0.2927	0.0075	0.0115	-0.0019	-0.0054
8	12.22	0.0	-5.0	33.96	2.0168	0.3199		0.0083	-0.0008	-0.0015
9	13.28	0.0	-5.0	33.82	2.1229	0.3494	-0.0092	0.0128	-0.0014	-0.0025
10	15.38	0.0	-5.0	33.87	2.2854	0.4105	-0:0234 ·	0.0114	-0.0019	0.0004
11	17.44	0.0	-5.0	33.77	2.3842	0.4911	-0.0437	0.0134	-0.0023	-0.0003
12	19.50	0.0	-5.0	33.90	2.4874	0.5789	-0.0333	0.0108	-0.0025	0.0043
13	21.54	0.0	-5.0	33.87	2.5467	0.6966	-0.1396	0.0077	-0.0003	-0.0005
14	23.59	0.0	-5.0	34.04	2.6277	0.8273	<del>-0.2447</del>	0.0136	-0.0011	-0.0064
, 15	25.60	0.0	-5.0	34.06	2 • 6455	0.9671	-0.2858	0.0004	0.0006	0.0165
16	27.59	0.0	-5.0	34.10	2.6387	1.1036	-0.3220	0.0073	0.0002	0.0012

						RUN 13				
PΤ	ALPHA	BETA	ΙT	Q	CL	CD	СМ	CY	CN	CR
1	-1.43	0.0	0.0	33.89	0.9486	0.1318	-0.3246	0.0109	-0.0030	-0.265
<del>-</del> -	0.68	0.0	0.0	<del>33,99</del>	1.1278	<del>- 0 • 1 469</del>	<del>-0.2842</del>	0.0125	<del>-0.0031</del>	<del>-0.265</del>
3	2.79	0.0	0.0	33.81	1.3140	0.1683	-0.2537	0.0125	-0.0029	-0.267
4	<del>- 4.90</del>	-0.0	0.0	33.88	<del>1.4900</del>	0.1940	<del>-0.2239</del>	0.0113	<del>-0.0023</del>	<del>-0.057</del> 0.005-
5	7.00	0.0	0.0	33.86	1.6496	0.2243	-0.1837	0.0133	-0.0025	- +
6	9.10	0.0	0.0	33.97	1.8162	0.2586	-0.1463	0.0121	<del>-0.0020</del>	<del>-0.004</del>
7	11.19	0.0	0.0	33.89	1.9703	0.3001	-0.0955	0.0105	-0.0014	-0.004 
8	12.25	<del>-0.0</del>	0.0	34.10	<del>2.0648</del>	0.3263	-0.0748	0.0096	<del>-0.0006</del>	-0.000
9	13.29	0.0	0.0	33.91	2.1421	0.3527	-0.0494	0.0140	-0.0019	-0.001
10	<del>- 15.35-</del>	0.0	0.0	<del>33.89 -</del>	2.2420	0.4038	<del>- 0.0015</del>	0.0133	-0.0021 -0.0013	0.000
11	17.39	0.0	0.0	34.02	2.2936	0.4693	0.0654	0.0107	-0.0013	
12	<del>-19.42</del>	<del>0.0</del>	<del></del>	34.01	<del>2 • 34 65</del>	0.5422	0.1307	0.0077		-0.002
13	21.42	0.0	0.0	33.99	2.3495	0.6327	0.1230	0.0056 0.0141	0.0007	-0.002
14	23.42	0.0	0.0	34.01	2.3564	0.7356	0.1036	~ • • -	-0.0014	-0.00
15	25.45	0.0	0.0	33.87 <del>34.06</del>	2.4062 <del>2.3474</del>	0.8461 	0.0892 	0.0074 		
16-	<del>- 27.42</del>						and the second s	nganggaga i sa kasa nga mga ar ina a dha anna 14 na a		ng ng ipinanggapan nagar
10										4
10										
10										

TABLE IV - PART A - TEST 3 TABULATION SCHEDULE

				Wing				T	ail		
Run	q	a Range	δ _f	⁶ DLC	δ _L	Glove Slat	Flap Actuator Fairings	i _t	⁶ SB	⁶ SF	Comments
1	34.5	-2 <del></del> 28	35	-4.5	17 MOD	0n	0n	0	Off	Off	
2	1							-5	1		
3						•		-10			
4						Off		0	1		
5				•				<b>-</b> 5			
6				5		*		0			
· 7						On		+			
8								-5			
9	¥			<b>*</b>				5			
10	. 7			-4.5				0			
11	11										
12	20	₩									
13	34.5	<b>-2→</b> 24									
14	51	-2 <del></del> 2						+			
15	34.5	-2—►28				+		-5			
16	+	†	+		<b>*</b>	Off	<b>*</b>	0	1	+	

						•				
						RUN 1				The same of the sa
PT	ALPHA	BETA	ΙŦ	Q	CL	CD	СМ	CY	CN	CR
1	-1.53	0.0	0.0	34.15	0.7857	0.1339	-0.0379	0.0026	-0.0041	-0.0041
2	· · 0 • <del>60</del>	<del>0.0</del>		<del>34.00</del>	— ე. <del>9899</del> —	<del>0-1448</del>	-0.0640	0.0038	0:0037 -	-0.0049
3	2.74	0.0	0.0	33.98	1 -2172	0.1635	-0.0712	0.0035	-0,0035	-0.0041
······································	" ~" <del>车" 8</del> 7	0.0	0.0	33.98	1-4324	<del>0-1889</del>	<del>0.0762</del>	0.0035	~ <del>~0.003</del> 3	<b>~0.0045</b>
5	6.99	0.0	0.0	33.94	1.6408	0.2213	-0.0788	0.0055	-0.0026	-0.0052
• · · · · · · · · · · · · · · · · · · ·	9#10	0.0	0.0	34.01	1.8271	0.2548	-0.0744	0.0048	-0.0030	-0.0057
7	11.23	0.0	0.0	34.03	2.0360	0.3009	-0.0723	0.0025	-0.0024	-0.0046
8	13.33	0.0	0.0	34.10	2.2023	0.3518	-0.0879	<del> 0 0038</del>	-0.0028	-0.0020
9	15.43	0.0	0.0	33.93	2.3707	0.4186	-0.1118	0.0045	-0.0030	-0.0016
10	17.52	- 0.0	**************************************	<del>33.89</del>	~ 2.5119 -	0.5147-	-0:1062	0.0008 ··	-0.0023	-0.0001
11	19.56	0.0	0.0	34.18	2.5908	0.6209	-0.1667	0.0004	-0.0015	-0.0036
12	21.63	0.0		34.02	2.6997	···· 0 • 7478···	-0.2178	0.0019	-0.0014	-0.0044
13	23.69	0.0	0.0	33.86	2.7922	0.8658	-0.2403	0.0023	-0.0011	-0.0027
14	25.69	მ∙მ∵~		34.04	7 7 2 7 7 9 6 7 7 7 7 7	1 0096 -	-0.2359	-0.0028	0.0035	0.0181
15	27.68	0.0	0.0	33.99	2.7859	1.1661	-0.2467	0.0070	0.0	-0.0034
16	29.65	0.0	0.0	····3388····	2.7345	1.3576	0.3 <del>0</del> 14	-0.0092	0.0038	0.0068
		-		- 44 44	٠.	RUN 2				
						KUN Z				
PΤ	ALPHA	BETA	IT	<b>Q</b>	CL	co .	CM	CY	CN	CR
1	-1.60	0.0	-5.0	33.92	0.6646	0.1492	0.0987	0.0049	-0.0023	-0.0054
2	0.54	0.0	-5. <del>0</del>	33.94 ·	0.8883	0.1556	0.0847	0.0046	-0.0018	-0.0052
3	2.67	0.0	-5.0	34.03	1.1138	0.1680	0.0727	0.0055	-0.0015	-0.0050
4	4.80	0.0	<b>-5</b> % 0 · · ·	33.89	1.3319	0.1892	0.0537	0.0051	-0.0013	-0.0050
5	6.92	0.0	-5.0	34.02	1.5232	0.2142	0.0492	0.0056	-0.0012	-0.0031
6	9.05	0.0	-5.0	34.01	1.7335	0.2477	0.0375	0.0065	-0.0011	-0.0049
7	11.18	0.0	-5.0	34.00	1.9455	0.2874	0.0222	0.0028	-0.0006	-0.0028
. 8	13.28	0.0-	-5 <del>.0</del>	33.90	2.1232	0.3347	0.0048	0.0081	-0.0017	-0.0048
9	15.39	0.0	-5.0	33.97	2.2986	0.3971	-0.0045	0.0037	-0.0015	-0.0012
10	17.46	0.0		34.21	2.4117	0.4796	0.0135	0.0014	-0.0013	-0.0017
11	19.51	0.0	-5.0	34.12	2.5021	0.5848	-0.0621	0.0019	-0.0007	-0.0043
12	21.57	0.0	-5.0	33.88	2.6017	0.7013	-0.1178	0.0005	-0.0002	-0.0046
13	23.64	0.0	-5.0	33.93	2.7159	0.8224	-0.1607	0.0079	-0.0004	-0.0053
14	25.64	0.0	-5.0	33.92	2.7152	0.9613	-0.1678	-0.0035	0.0038	0.0162
15	27.64	0.0	-5.0	34.10	2.7230	1.1132	-0.1815	0.0039	-0.0007	-0.0028
16	29.62	0.0	-5.0	34.0 <del>0</del>	2.6787	1.2927	-0.2095	-0.0074	-0.0001	0.0080

TABLE IV - PART B - TEST 3 DATA - CONTINUED.

										•
						RUN 3				
PT	ALPHA	BETA	ΙΤ	Q	CL	CD	СМ	CY	CN	CR
1	-1.65	0.0	-10.0	34.07	0.5860	0.1710	0.1962	0.0082	-0.0028	-0.0071
	0.48	0.0	-10.0	<del>33.97</del> -	0 • <del>7 9 1</del> 3	0.1726	<del>- 0.1830</del>	0.0065	-0.0022	-0+0052
3	2.62	0.0	-10.0	33.95	1.0210	0.1834	0.1830	0.0038	-0.0012	-0.0045
	4.76	······ <del>·······························</del>	<del>-10.0</del>	34.00	1.2514	<del>-0 1994 -</del>	-0.1699	0.0041	-0.0008	-0.0041
5	6.87	0.0	-10.0	34.03	1.4468	0.2201	0.1675	0.0048	-0.0010	-0.0046
6	9.00 11.12	0.0	-10.0	<del>33.70</del>	1.6503	0.2489	0.1553	0.0051	-0.000 <del>9</del>	-0.0053
7 8	13.24	0.0	-10.0	34.00	1.8624	0.2833	0.1418	0.0049	-0.0006	-0.0043
9	15.35	0.0	<del>-10.0</del>	34.18	- 2.0488	0.3262	0.1087		-0.0020	-0.0026
10	17.42	· 0.0	-10.0 10.0	34.00 <del>34.02</del>	2•2273 2•3433	0.3837	0.0881	0.0042	-0.0019	-0.0023
11	19.47	0.0	-10.0	33.99	2.4273	0.5576	0.0525	0.0031	-0.0007	~0.0006
12	21.53	0.0	-10.0	34.05	2.5250	∵ 10∵6691 ″		0.0001	0.0001	-0.0031
13	23.58	0.0	-10.0	34.03	2.6231	0.7814	-0.0003	0.0004	0.0011	-0.0056
14	25.60	0.0	-10.0	34.18	2.6425	··· 0.9192	-0.0555	0.0084 -0.0023	0.0001 0.0047	-0.0054
15	27.60	0.0	-10.0	33.96	2.6490	1.0613	-0.0686	0.0023	0.0047	0.0144 -0.0031
16	29.59	$\ddot{0}.\ddot{0}$	-10.0	34.08	2.6277	1.0333		-0.0057	0.0008	0.0090
					,		•			
					٠					
						RUN 4				
PΤ	ALPHA	BETA	ΙT	۵	CL	CO	CM	CY	· CN	CR
1	-1.53	0.0	0.0	34.20	0.7724	0.1306	-0.0379	0.0050	-0.0018	-0.0060
2	0.59	0.0	0.0	34.05	0.9833	0.1395	-0.0533	-0.0005	-0.0018	-0.0009
.3	2.73	0.0	0.0	34.02	1.2048	0.1583	-0.0680	0.0057	-0.0013	-0.0055
4	4.86	0.0	0.0	34.03	1.4171	0.1823	-0.0768	0.0047	-0.0010	-0.0049
5	6.98	0.0	0.0	34.01	1.6176	0.2113	-0.0851	0.0036	-0.0007	-0.0047
6	9.09	0.0	0.0	34.18	1.8065	0.2466	-0.0818	0.0037	-0.0005	-0.0037
7	11.20	0.0	0.0	34.03	1.9950	0.2938	-0.0842	0.0016	-0.0003	-0.0022
8	13.29	0.0	0.0	33.81	2.1371	0.3535	-0.1259	-0.0034	-0.0010	-0.0002
9	15.39	0.0	0.0	34.02	2.3048	0.4307	-0.1593	0.0024	-0.0005	-0.0029
10	17.46	0.0	0.0	33.98	2.4140	0.5215	-0.1968	0.0049	-0.0012	-0.0125
11	19.50	0.0	0.0	34.07	2.4788 .	0.6447	-0.2444	1000.0	0.0004	-0.0050
12	21.58	0.0	0.0	34.01	2.6230	0.7854	-0.2928	0.0057	0.0004	-0.0060
13	23.65	0.0	0.0	34.22	2.7303	0.9073	-0.3158	0.0026	0.0001	-0.0036
I 4	25.66	0.0	0.0	33,92	2.7420	1.0397	-0.3015	-0.0113	0.0041	0.0171
15	27.68	0.0	0.0	34.30	2.7803	1.1854	-0.3031	-0.0018	0.0037	0.0040
37 16	29.64	0.0	0.0	34.03	2.7103	1.3562	-0.3277	-0.0050	0.0026	0.0001

the control of the co

		•••		eren et erromandungsgage ".	- <del>-</del>	RUN 5				
PT	ALPHA	BETA	I.L	Q	CL	CD	CM	CY	CN	CR
1	-1.59	0.0	-5.0	33.96	0.6714	0.1451	0.1057	0.0084	-0.0024	-0.0078
. 2	0.53	0.0	-5.0	33.94	0.8766	0.1502	0.0781	0.0045	-0.0017	-0.0078
3	2.67	0.0	-5.0	33.94	1.1067	0.1629	0.0609	0.0071	-0.0021	
4	4.79	0.0	-5.0	<del>-93.97</del>	1.3110	- 0.1818 -	<del>0.0599</del>	0.0059	-0.0021 -0.0018	-0.0059
5	6.92	0.0	-5.0	33.99	1.5153	0.2075	0.0449	0.0065		-0.004
6	9.04	0.0	-5-0	34.08	1.7293	0.2418	0.0313		-0.0017	-0.0040
7	11.16	0.0	-5.0	34.01	1.9199	0.2819		0.0072	-0.0016	··· <del>∸0 •006</del> 3
-8	13.24	0.0	5.ŏ -	<del> 33.96</del>	<del>2.0586</del>	0.3365	0.0096	0.0049	-0.0017	-0.003
9	15.33	0.0	-5.0	34.54	2.2099		-0.0270	0.0009	-0.0010	-0.002
-10	17.40	0.0	<del>5.0</del>	<del></del>	2 <del>-3235</del>	0.4068	-0.0564	0.0049	-0.0014	-0.0039
11	19.45	0.0	-5.0	33.78		<del>0.4892</del>	<del>-0.0830</del>	0.0045	-0.0017	~ <del> 0 -0 15</del> 0
12	21.54	0.0	-5.0 <del>-5.0</del>	•	2.4021	0.5943	-0.1123	-0.0020	0.0001	-0.0100
13	23.60			<del>33.91</del>	<del> 2 • 5433</del>	<del>0.7406</del>	<del>-0.2046</del>	<del>- 0.0057</del>	-0.0002	-0.004
-14	25.62	0.0	-5.0	34.24	2.6457	0.8588	-0.2338	0.0069	-0.0005	-0.0043
		0 -0	5.0	<del>34,09</del>	<del> 2 • 6893</del>	<del>0.9914</del>	<del>-0.2349</del>	<del>-0.0070</del>	0.0014	0.013
15	27.65	0.0	-5.0	34.16	2.7372	1.1254	-0.2411	-0.0041	0.0035	0.013
16	<del>29.63</del> ~	0.0	<del>-5.0</del>	<del>33.81</del>	2- <del>6934</del> -	<del>1.2936</del>	0.2578	<del>-0.0059</del>	<del>0-0005</del>	

	atoria della propie					RUN 6				
PT	ALPHA	BETA	17	ର	CL	CD	СМ	СҮ	CN	CR
3	-1.71	0.0	0.0	33.99	0.4771	0.1303	0.0653	0.0012	-0.0010	0.0009
···· <del>4</del> ···	0.41-	0.0	0.0	34.07	0.6733	0.1356	0.0495	0.0041		
5 	2.53	0.0	0.0	34.09	0.8761	0.1475	0.0484	0.0041	-0.0016 -0.0014	-0.00013
2			0.0	34.31	<del>- 1.0811 -</del>	<del>-0.1661</del>	<del>0.0458</del> -	0.0043	-0.0014	-0.0018
,	6.78	0.0	0.0	34.26	1.2867	0.1888	0.0434	0.0019	-0.0011	0.0001
<del></del>	8.90	0.0	0.0	34.13	<del></del>	<del>- 0.2165 -</del>	0.0423	-0.0027	-0.0013	0.003
9	11.03	0.0	0.0	34.06	1.7063	0.2626	0.0171	-0.0001	-0.0008	0.0014
10	<del>- 13.13</del> -	0.0	<del>-0.0</del> -	<del>- 33.90</del> -	1.8731	0.3093	-0.0117	-0.0008	0.0007	0.0020
11	15.26	0.0	0.0	33.78	2.0800	0.3881	-0.0294	-0.0008	-0.0017	
<del>12-</del>	<del>-17.37</del>	<del>- 0.0</del>	<del>- 0.0</del> -	<del>33.93</del>	<del>-2 • 2 6 3 5</del>	<del>- 0.4813</del> -	<del>- 0.1080</del>	-0.0008 - 0.0021	·	0.0034
13	19.41	0.0	0.0	33.86	2.3264	0.5930			<del>-0.0013 -</del>	<del>- 0.000</del> 3
14	21.47	0.0	0.0	<del>- 33.79</del>	2 • 4381		-0.1782	0.0079	-0.0033	-0.0111
15	23.54	0.0	0.0	33.79		0.7324	-0.2292	0.0052	-0.0006	-0.004
16-	25.62				2.5574	0.8528	-0.2569	0.0040	0.0001	-0.0019
		0.0	0.0	34.12	2 • 6 8 4 9	0.9836	-0.2661	0.0032	<del>-0.0009</del>	-0.0020
17	27.65	0.0	0.0	33.88	2.7378	1.1334	-0.2815	-0.0021	0.0020	0.0048
18	29.66	0.0	0.0	34.19	2.7440	1.3153	-0.3121	-0.0005	-0.0009	<del>-0.004</del>

TABLE IV - PART B - TEST 3 DATA - CONTINUED.

						RUN 7			•	
PT	ALPHA	BETA	ΙT	0	CL	CD	СМ	CY	CN	CR
1	-1,71	0.0	0.0	33.98	0.4785	0.1344	0.0700	0.0005	-0.0042	0.0007
<del>- 2 -</del> -	0.41	<del>0.0</del>	<del>0.0</del>	<del>34.00</del>	0.6799	0.1391	0.0475	0.0027	-0.0012	-0.0002
3	2.54	0.0	0.0	34.00	0.8895	0.1514	0.0610	0.0024	-0.0008	0.0001
	4.06	0.0	0.0	<del>33.90</del>	1:0983	0.1714	0.0490	0.0030	-0.0010	<del>-0.000</del> 3
5	6.79	0.0	0.0	33.86	1.2997	0.1962	0.0501	0.0020	-0.000B	0.0019
-6	8.91	0.0	0.0	33.88	1.5071	0.2276	0.0452	0.0054	-0.0015	0.0
7	11.03	0.0	0.0	33.85	1.7118	0.2654	0.0334	0.0022	-0.0009	0.0015
8	13-16	0.0	0.0-	34.13	1.9158	<del>0.3167</del> -	0.0116	0.0012	<del>-0.0006</del>	0.0021
9	15.28	0.0	0.0	33.86	2.1181	0.3844	-0.0156	0.0005	-0.0009	0.0029
10-	17.41	0.0	0.0	<del>33.97</del>	2.3362	0.4770	-0.0563	- 0.0029	<del>-0.0010</del>	
11	19.47	0.0	0.0	33.87	2.4338	0.5940	-0.0984	-0.0019	0.0010	-0.002
12	21.52	0.0	0.0	<del>- 33.93</del>	<del>- 2.5165</del>	0.7015	<del>-0.1376</del>	<del>-0.0006</del> -	0.0011	-0.003
13	23.60	0.0	0.0	33.77	2.6447	0.8225	-0.1855	0.0003		
14	25.65	····	0.0	33.89	- 2.7252 -				0.0003	-0.0033
15	27.68	0.0				0.9678	0.2007	<del>0.0023</del>	0.0001	<del>0.00</del> 44
16			0.0	33.86	2.7759	1.1232	-0.2355	0.0046	0.0004	0.0028
10	2 <del>9.65</del>	··· • • • • · · · · · · · · · · · · · ·	0.0 -	34.02	<del>2 • 7260</del>	<del>1.3262</del>	<del>-0.2675</del>		<del></del>	0.0075

	*****	=	· · · · · · · · · · · · · · · · · · ·			RUN 8				
PΤ	ALPHA	BETA	ΙŢ	Q	CL	CD	CM	CY	CN	CR
1	-1.76	0.0	-5.0	33.88	0.3898	0.1475	0.1819	0.0019	-0.0046	-0.0008
2	0.36	0.0		- 3 <del>3.8</del> 1	0.5924	- <del>1498</del>	<del>0.169</del> 7 -	-0.0001	0.0038	0.0012
3	2.48	0.0	-5.0	33.94	0.7963	0.1577	0.1685	-0.0011	-0.0034	0.0012
4	4.61	$\sigma_*\sigma$	· −5′ <u>₽</u> †	~~ 33.94° ···	1:0082	· ···0 •1·729	0.1704	-0:00:10		····· *0.0003***
5	6.73	0.0	-5.0	33.96	1.2142	0.1946	0.1682	-0.0014	-0.0033	0.0020
6	8.86	. 0 • 0 .	<del> 5</del> - 0 · · ·	33,88	1.4176	0.2204	0.1665	0.0	-0.0031	0.0014
7	11.00	0.0	-5.0	33.92	1.6475	0.2577	0.1560	-0.0014	-0.0027	0.0033
8	13.11	0.0	=5.0	34.02	··· 1:8332 ···	0.2987	0.1278	0.0006	-0.0031	0.0021
9	15.23	0.0	-5.0	33.82	2.0309	0.3611	0.0952	-0.0023	-0.0035	0.0050.
10	17.36	0.0	-5.0	~ - 3 <del>3.88</del> ~	2+251 <del>0</del>	0.4456	0.0643	-0.0031	-0.003 <del>0</del>	~ 0 •0045~ ~
11	19.41	0.0	-5.0	34.00	2.3360	0.5533	0.0197	-0.0030	-0.0020	0.0006
12	21.47	0.0	-5.0	33.94	2 4382	0.6637	-0.0384	~0.000 <del>9</del>	-0.0010	-0.0026
13	23.54	0.0	-5.0	34.07	2.5478	0.7790	-0.0921	0.0019	-0.0007	-0.0010
14	25.59	0.40	-5.0	· · · 33.86 · · ·	2.6402	0.9190	-0.1452	-0.0014	0.0	0.0027
3 I5	27.55	0.0	-5.0	33.80	2.5729	1.0743	-0.0178	0.0007	-0.0002	0.0059
<b>6</b> 16	29.62	0.0	-5.0	·· 33.95···	2.6756	1.2576	<del>-0.2078</del>	-0.0055	-0.0001	±0.0028

						RUN 9				
PT	ALPHA	BETA	IT	O	CL	CD	CM.	CY	CN	CR
i	-1.67	0.0	5.0	34.17	0.5481	0.1272	-0.0516	0.0038	-0.0020	-0.0016
2	0.45	0.0	5.0	34.01	0.7437	0.1365	-0.0630	0.0032	-0.0016	-0.0014
3	2.57	0.0	5.0	33.98	0.9449	0.1516	-0.0622	0.0030	-0.0016	-0.0013
 4	4.70	0.0	5.0	33.89	1.1647	0.1743	-0.0623	0.0051	-0.0017	-0.0011
5	6.83	0.0	5.0	34.05	1.3703	0.2041	-0.0630	0.0052	-0.0015	~0.0007
6	8.96	0.0	5.0	34.11	1.5893	0.2412	-0.0695	0.0033	-0.0006	0.0002
7	11.07	0.0	5.0	34.03	1.7754	0.2831	-0.0781	0.0035	-0.0011	0.0017
, 8	13.20	0.0	ร์.ก	33.93	1.9832	0.3400	-0.1043	0.0023	-0.0005	0.0021
9	15.32	0.0	5.0	34.12	2.1802	0.4106	-0.1423	0.0026	-0.0014	0.0026
10	17.44	0.0	5.0	34.02	2.3835	0.5040	-0:1875	0.0005	-0.0009	0.0026
11	19.50	0.0	5.0	34.19	2.4835	0.6230	~0.1976	0.0013	-0.0005	-0.0030
12	21.55	0.0	5.0	34.14	2.5717	0.7369	0.2439	0.0020	0.0003	-0.0037
13	23.62	o.n	5.0	34.15	2.6743	0.8557	-0.2564	0.0002	0.0009	-0.0028
14	25.65	0.0	5.0	34.12	2.7356	1.0007	-0.2719	0.0083	0.0002	0.0010
15	27.68	0.0	5.0	34.13	2.7760	1.1676	-0.2775	0.0037	0.0002	0.0003
16	29.66	0.0	5.0	34.22	2.7472	1.3675	<del>-0.3121</del>	-0.0032	0.0025	-0.0008
						RUN 10				
PT	ALPHA	BETA	. <b>1 L</b>	٥	CL	CD	CM		CN	CR
1	-1.52	0.0	0.0	7.10	0.7978	0.1396	-0.0254	0.0055	-0.0012	0.0027
2	0.61	0.0	0.0	7.10	1.0043	0.1514	0.0635	0.0039	-0.0007	0.0009
3	2.74	0.0	0.0	7.09	1.2228	0.1698	-0.0847	0.0053	-0.0016	-0.0008
4	4.87	0.0	0.0	7.07	1.4375	~ 0.1954	~~0. <del>08</del> 29	0.0056	-0.0015	-0.0 <del>006</del>
5	6.99	0.0	0.0	7.07	1.6421	0.2273	-0.0827	0.0041	-0.0016	-0.0002
6	9.11	0.0	0.0	7.05	1.8296	0.2644	<del>~0.0870</del>	0.0032	-0.0016	-0.0009
7	11.22	0.0	0.0	7.05	2.0207	0.3098	-0.0813	0.0061	-0.0020	0.0001
8	13.33	0.0	0.0	7.05	2.1988	0.3662 -	-0:1105	~~~ <del>0</del> ~ <del>00</del> 38	-0.0022	0.0012
9	15.44	0.0	0.0	7.05	2.3845	0.4396	-0.1311	0.0073	-0.0031	~0.0001
10	17.52	0.0	0.0	~~ ~7.05	2.5175	0.5372	0:1611	0.0062	-0.0019	
11	19.59	0.0	0.0	7.02	2.6245	0.6294	-0.1795	0.0076	-0.0015	-0.0037
12	21.63	0.0	0.0	7.02	2.6940	0.7495	-0.2178	0 0035	0.0002	-0.0023
13	23.64	0.0	0.0	6.97	2.7106	0.8700	-0.3156	0.0118	0.0017	-0.0027
14	25.68	0.0	0.0	6.97	2.7861	• - · • · · ·	-0.4067	0.0032	-0.0007	0.0009 0.0614
15	27.58	ብ•ብ :	0.0	6.87	2.6086	1.1474	-0.4195	-0.0661	0.0124 	
16	29.54	0.0	0.0	6.80	2.5531	1- <del>-4042</del>	<del>-0.4260</del>	<del>-0.008</del> 6	-0.0004	0.0020

TABLE IV - PART B - TEST 3 DATA - CONTINUED.

			<u> </u>							
						RUN 11				and the second second
РΤ	ALPHA	BETA	ΙT	Q	CL	CD	CM	CY	CN	CR
1	-1.53	0.0	0.0	11.09	0.7790	0.1384	-0.0392	0.0078	-0.0021	-0.0015
2	0.60	0.0	0.0 -	11.12	1.0015	0.1490	<del>-0.0543</del>	· · · <del>0 • 0 0 4 0</del> · ·	-0.0014	-0.0010
3	2.74	0.0	0.0	11.09	1.2287	0.1664	-0.0734	0.0054	-0.0018	-0.0016
4	4.87	0.0	0.0	11.07			0.0894	0.0047	-0.0018	-0.0003
5	6.99	0.0	0.0	11.07	1.6315	0.2234	-0.0861	0.0043	-0.0019	-0.0003
. 6	9.10	0.0	0.00	11.07	1.8211	<del>0.</del> 2609	-0.0948	0.0054	-0.0022	-0.0009
7	11.21	0.0	0.0	11.03	1.9989	0.3040	-0.0849	0.0026	-0.0023	0.0009
. 8	13.30	0.0	00	10.97	2.1510	· · · · 0 •3561 · · ·	-0.1056	0.0020-	-0.0020	0.0019
9	15.41	0.0	0.0	10.96	2.3402	0.4299	-0.1342	0.0049	-0.0020	-0.0012
10	17.47	0.0	0.0	<del>10.92</del>	2-4378	0.5178	<del>-0-1</del> 455	0.0047	-0.0019	-0:0012
11	19.56	0.0	0.0	10.93	2.5839	0.6177	-0.1759	0.0069	-0.0015	-0.0035
12	21.58	0.0	0.0	10.87	2.6126	- 0.7317 ·	-0.2390	0.0003	0.0010	-0.0050
13	23.65	0.0	0.0	10.84	2.7263	0.8738	-0.3292	0.0128	0.0001	-0.0088
14	25.73	0.0	0.0	10.91	2.8637	1.0371	-0.4173	0.0028	-0.0007	-0.0012
15	27.64	0.0	0.0	10.86	2.7210	1.1665	-0.4234	-0.0447	0.0089	0.0358
16	29.59	0.0	0.0	10.87	2.6299	1:3585	-0.4348	-0.0072	-0.0027	-0.0102
						RUN 12				
PT	ALPHA	BETA	ΙT	Q	C£	CO	CM	CY	CN	CR
1.	-1.53	0.0	0.0	19.96	0.7776	0.1352	-0.0332	0.0034	-0.0019	-0.0004
2	0.59	0.0	0.0	20.06	0.9777	0.1454	-0.0554	0.0048	-0.0019	-0.0012
3	2.72	0.0	0.0	19.91	1.1943	0.1606	-0.0646	0.0009	-0.0010	0.0006
4	4.85	0.0	0.0	19.84	1.4111	0.1871	-0:0803	0.0023	-0.0013	0.0019
5	6.97	0.0	0.0	19.73	1.6029	0.2200	-0.0892	0.0012	-0.0010	0.0033
6	9.10	0.0	0.0	19.88	1.8221	0.2612	-0.0956	0.0029	-0.0019	0.0019
ž	11.19	0.0	0.0	20.01	1.9686	0.2990	-0.0866	0.0044	-0.0020	0.0034
8	13.31	0.0	0.0	19.72	2.1711	0.3594	-0.1153	0.0046	-0.0023	0.0026
9	15.44	0.0	0.0	19.82	2.3872	0.4381	-0.1430	0.0063	-0.0021	0.0
10	17.50	0.0	0.0	19.93	2.4867	0.5177	-0.1601	0.0123	-0.0040	-0.0103
11	19.57	0.0	0.0	19.72	2.6050	0.6250	-0.1692	0.0060	-0.0012	-0.0039
12	21.63	0.0	0.0	20.19	2.7056	0.7578	-0.2405	0.0	0.0012	-0.0043
13	23.64	0.0	0.0	19.97	2.7134	0.8752	-0.3425	0.0104	0.0005	-0.0034
14	25.69	0.0	0.0	19.81	2.7969	1.0245	-0.3944	-0.0040	0.0003	0.0054
		0.0	0.0	19.79	2.7829	1.1580	-0.4144	-0.0109	0.0039	0.0128
15	27.68	() _ (1	11 - 17	19-79		I NAII	-11 44 144		{? <b>.</b> ill i ↑ ∨	11 4 11 1 7 74

	,					RUN 13				
PΤ	ALPHA	BETA	ΙT	۵	CL	CD	СМ	CY	CN	CR
1	-1.53	0.0	0.0	34.09	0.7710	0.1335	-0.0436	0.0024	-0.0020	-0.0022
<del>-2</del>	<del>0.59</del>	0.0	0.0	<del>34.15</del>	<del>0.9754</del> —	0.1443	<del>-0.0650</del>	0.0032	-0:0019-	0:0002
3	2.72	0.0	0.0	34.13	1.1901	0.1612	-0.0790	0.0038	-0.0013	0.0014
4	4.84		0.0	34.11	1.3904	0.1861	-0.0838	<del>- 0:0030 -</del>	-0.0018	0.0003
5	6.96	0.0	0.0	34.02	1.5913	0.2175	-0.0795	0.0028	-0.0016	0.0010
-6-	9.08		0.0	33.97	1 <del>-7952</del>	0.2548	-0.0839	0.0018	-0.0014	0.0058
7	11.21	0.0	0.0	33.95	2.0026	0.3037	-0.0844	0.0019	-0.0023	0.0043
<del>8</del>	13.31	-0.0-	0.0	33.99	<del>2.1698</del>	0.3588	-0.1118	0.0019	-0.0021	0.0052
9	15.44	0.0	0.0	33.95	2.3783	0.4368	-0.1475	0.0033	-0.0020	0.0005
<del>10</del> -	<del>- 17.50</del> -	<del>- 0.0 -</del>	<del>0.0</del> -	34.01	<del>2.4764</del>	0.5221	-0.1628	<del>0.0033</del> -	<del>-0.0015</del> -	<del>-0.0006</del>
11	19.58	0.0	0.0	33.89	2.6094	0.6233	-0.1811	0.0025	-0.0010	0.0004
12 -	- 21.62	- <del>0</del> 0	<del>0.0</del>	33.94	<del>2.6773</del> –	···· <del>0.7471</del>	-0.2424	<del>-0.0025</del> -	-0.0015	-0.0050
13	23.66	0.0	0.0	34.17	2.7406	0.8841	-0.3329	0.0083	0.0007	-0.0027
14			- 0.0	34.15	<del>2.7353</del> -	1.0261	-0.3851	-0.0044	0.0015	0.0168

PΤ	ALPHA	BETA	ΙT	Q	CL	CD	CM	CY	CN	CR
1	-1.54	0.0	0.0	49.74	0.7651	0.1331	-0.0440	0.0033	-0.0017	0.0007
2	0.59	0.0	<del>0</del> -0	50.18	0.9784	0.1439	-0.0560	0.0021	-0.0014	0.0017
3	2.72	0.0	0.0	49.96	1.1936	0.1613	-0.0639	0.0015	-0.0013	0.0033

The second secon

TABLE IV - PART 8 - TEST 3 DATA - CONCLUDED.

The state of the s

						RUN 15				
PΤ	AL PHA	BETA	ΙT	Q	CL	CD	CM	CY	CN	CR
1	-1.60	0.0	-5.0	33.92	0.6639	0.1504	0.0916	0.0055	-0.0026	-0.0019
2	0.52	· · · · · · · · · · · · · · · · · · ·	-5.0	<del>33.93</del>		0.1570	0.0829	0:0042	-0.0026 -	-0-0005
3	2.66	0.0	-5.0	33.97	1.1008	0.1702	0.0673	0.0037	-0.0021	0.0018
A	4.79			33.87	1.3028	0.1911-	0:0608	~~~ <b>0.0025</b> ~~	-0.0019	0.0025
5	6.91	0.0	-5.0	33.91	1.5111	0.2174	0.0510	0.0032	-0.0019	0.0036
	9.04	0.0	-5.0	33.94	1.7146	0.2503	0.0368	0.0021	-0.0025	0.0036
7	11.16	0.0	-5.0	33.82	1.9266	0.2942	0.0215	0.0027	-0.0020	0.0044
·	13.27	0.0	-5.0	34.07	2. <del>1049</del>	0.3465	-0.0062 -	0.0041	-0.0026	0.0038
9	15.37	0.0	-5.0	33.97	2.2624	0.4111	-0.0285	0.0059	-0.0025	-0.0050
<del>10</del>	-17.44	— <del>ň.ŏ</del>	<del></del>	<del>33.92</del> -	- 2.3838	0.4979	<del>-0.0412</del>	~~~0 <del>+00</del> 64~~	-0.0018	-0.0077
11	19.49	0.0	-5.0	33.85	2.4702	0.5940	-0.0451	0.0098	-0.0034	-0.0163
12	21.55	0.0	<del>-5.0</del>	33.84	2.5645	0.7051	<del>-0.1371</del>	0.0017	0.0006	-0.0094
13	23.59	0.0	-5.0	33.87	2.6364	0.8406	-0.2591	0.0112	0.0002	-0.0078
14	25.56	0.0	-5.0	33.79	- 2.5887	0.9782	<del>-0.2752</del>	0.0064	0.0	0.0007
15	27.60	0.0	-5.0	33.95	2.6429	1.1219	-0.3465	0.0105	0.0	-0.0016
16-	<del>29.59</del>	<del>- 0.0</del> -		33.86	2.6264	1.2750	<del>-0.3961</del>	0.0002	0.0004	0.0039
						RUN 16		The state of the s	w	
PT	ALPHA	BETA	IT	Ó	CL	CD	СМ	CY	CN	CR
1	-1.54	0.0	0.0	33.74	0.7587	0.1308	-0.0419	0.0063	0.0	-0.0028
<del>2</del>	0.59	0.0-	0.0	33.89	0.9730	0.1424	-0.0605	0.0062	<del>0.0005</del> -	<del>-0.0</del> 012
3	2.71	0.0	0.0	33.98	1.1761	0.1590	-0.0673	0.0072	0.0002	-0:0028
<del></del>	4.83	<del></del>	<del>0.0</del>	33.96	1.3806	0:1825	-0.0788	0.0047	0.0006	-0.0022
5	6.96	0.0	0.0	33.90	1.5926	0.2129	-0.0968	0.0061	0.0002	0.0005
	9.08	0.0	0.0	34.11	1.7886	0.2510	-0.1074	0.0055	0.0	0.0006
7	11.17	0.0	0.0	34.01	1.9407	0.2965	-0.1090	0.0033	-0.0002	0.0008
<del>'</del> 8	<del>13.29</del> -	<del>0.0</del>	0.0	34.06	2.1408	0.3637	-0.1429	0.0050	0.0007	-0.0015
. 9	15.38	0.0	0.0	33.98	2.2855	0.4372	-0.1830	0.0045	0.0001	-0.0004
10	17.46	0.0	0.0	34.05	<del>2 • 4 1 9 9</del>	0.5397	<del>-0.2085</del> -	0.0026	0.0019	<del>-0:0022</del>
11	19.54	0.0	0.0	34.08	2.5421	0.6480	-0.2388	0.0001	0.0026	-0.0046
<del>12</del>	<del>-21.58</del> -	<del></del>		34.02	2.6159	0.7931	-0.3336	0.0047	0.0026	-0.0067
				34.03	2.6918	0.9288	-0.3926	0.0081	0.0024	-0.0042
13	23.63	0.0	0.0	24.02	2.0710	0.7200				
13 <del>- 14</del>	23.63 <del>25.63</del>	<del></del>	0.0	33.89	<del>2.7011</del>	1.0525	-0.4207 -0.4243	-0.0025 -0.0131	0.0042 0.0040	0.0119 -0.0013

											WIN	IG				TAIL			ATT	CHME	NTS		
Run	_ '	q		a I	lange	δ	f	δ _D	LC	δ	L	Glov Slat		Fla; Actuat Fairir	tor	i _t	G	ear	Py1	ons	Mi	ssles	Comments
1	3	4.5	[	-2-	<del>-&gt;</del> 28	3	5	5		17°	MOD	On		0 <u>12</u>	-	0	7	)n		n		On	
2														ĺ		-5				<u> </u>		1	
3		I			<u> </u>			Ī								5	1			_			
4								-4	.5							0				_			
5						]										-5							
6																-10	.,			-			
7																0	0:	ff				+	
8						7							T						1	,	-	Off	
9																			01	f		1	
10													П				17	Dn					
11																	Ma	iin		į			Nose gear off
12		†			<b>†</b>	1		V		1		•		1		1	0:	ff	1	)			Main gear doors open.

		·	<del></del> ·			RUN 1			ggg . gg =	
P <b>T</b>	ALPHA	BETA	ĮΤ	6	CL	CD	CM	СУ	CN	CR
1	-1.71	0.0	0.0	34.05	0.4726	0.1605	0.0176	0.0035	-0.0018	0.0013
2	0.41	0.0	O • O	34.18	- 0.6765	<del>0.1656</del>	0.0089	0.0025	<del>-0.0016</del>	0.0014
3	2.53	0.0	0.0	34.11	0.8757	0.1784	0.0084	-0.0006	-0.0004	0.0041
4	4 • 65	00.	<del></del>	34.16	1.0737	<del>-0-1963</del>	····· <del>································</del>	0:001F-	<del>-0.0006</del>	0.0025
5	6.77	0.0	0.0	34.24	1.2745	0.2217	0.0011	0.0012	-0.0002	0.0034
6	8.89	0.0	0.0-	34.24	1:4685	0.2534	<del>-0.0061</del> -	0.0009	-0.0004	0.0029
7	11.01	0.0	0.0	34.07	1.6666	0.2927	-0.0198	-0.0005	0.0002	0.0032
ਨ	13.12	0.0		<del>34,08</del>	1.8602	0.3474	<del>-0.0321</del>	-0.0034	0:0007	0.0057
9	15.23	0.0	0.0	34.04	2.0303	0.4108	-0.0479	-0.0009	0.0	0.0053
10	11.00	0:0	0.0	34.09	1.6639	0.2934	<del>-0.0164</del>	0 0020	<del>-0.0003</del>	0.0030 0.0043
11	13.12	0.0	0.0	34.10	1.8598	0.3461	-0.0299	-0.0020	0.0002	···· <del>0.0043</del>
12	15.23	0.0	0.0	<del>34</del> , <del>19</del>	2.0310	0.4106 0.3453	-0:0499 -0:0367	-0.0014	0.0001	0.0046
13	13.12	0.0	0.0	34.08 34.14	1.8545 2.0348	0.3433	-0.0507	-0.0024 0.0024	-0.0002 0.0001	0.0048
14	15.23	0.0		34.02	2.1938	0.4918	-0.0516 -0.0659	-0.0005	-0.0004	0.0037
15 <del>16</del>	17.33 19.38	0.0 <del>0.0</del>	0.0	34.02 34.18~	2 • 1730	0.4910 <del>0.5950</del>	-0.0059	-0.0005 -0.0054	-0.0004 0.0003	<del>0.0018</del>
1.7	21.41	0.0	0.0	34.09	2.3369	0.7218	-0.1807	-0.0054	0.0003	0.0045
18	23.46	"O:O	0.0	33.97	<del>2-4215</del>	0.8458	<del>-0.2761</del>	-0.0116	0.0005	<del>0.0057</del> ~
19	25.51	0.0	0.0	34.21	2.4995	0.9662	-0.2934	-0.0156	0.0010	0.0137
· <del>20</del> ··	27.54	0.0	<del>0.0</del>	34.40		1.1121 -	-0.3373	-0.0172	0.0018	0.0157
21	29.53	0.0	0.0	34.03	2.5355	1.2707	-0.3606	-0.0243	-0.0043	0.0099
·										
	/ ,- ·· ··• ·					RUN 2				
····₽·Ŧ··	ALPHA -	BETA	<u>I</u> T	<del></del>	<del>CL</del>	<del></del>	СМ	СҮ	<del>CN</del>	- CR
1-	-1.7 <del>6</del>	0.0	-5.0	33.87	0.3987	0.1732	0.1471	0.0038	-0.0016	0.0005
2	0.36	0.0	-5.0	34.02	0.6006	0.1749	0.1408	0.0036	-0.0013	0.0022
<del>3</del> -	2 <del>.49</del>	······ 0 • 0 · ····	-5.0	34.04	0.8043	0.1832	0.1391	0.0008	-0.0010	0.0030
4	4.61	0.0	-5.0	34.30	1.0041	0.1978	0.1394	0.0001	-0.0005	0.0039
5	······································	0.0	<del>-5.0</del>	34.22	1.2062	0.2190	0.1336	0.0015	<del>-0.0006</del> -	0.0030
	8.85	0.0	-5.0	34.02	1.4058	0.2466	0.1164	0.0031	-0.0005	0.0020
6			<del>-5.0</del>	34.21	1.5981	0.2825	0.1013	0.0018	-0.0002	0.0022
7	10:97	<u>0.0</u>					0.0855	0.0002	-0.0001	0.0032
<del>7</del> -8	10:97 13:08	0.0	-5.0	34.23	1.7957	0.3309				<del>_</del>
7 8 9	10:97 13:08 15:20	0.0	-5.0 -5.0	34.16	1.9846	0.3955	0.0563	0.0015	-0.0002	0.0059
7 8 9 10	10:97 13:08 15:20 17:30	0.0 0.0	-5.0 -5.0 -5.0	34.16 33.98	1.9846 2.1443	0.3955 0.4718	0.0563 0.0390	0.0015 -0.0003	-0.0002 -0.0007	0.0059 0.0063
7 8 9 10	10.97 13.08 15.20 17.30 19.35	0.0	-5.0 -5.0 -5.0	34.16 33.98 34.13	1.9846 2.1443 2.2343	0.3955 0.4718 0.5740.	0.0563 0.0390 0.0312	0.0015 -0.0003 -0.0020	-0.0002 -0.0007 0.0001	0.0059 0.0063 0.0048
7 8 9 10 11 12	10.97 13.08 15.20 17.30 19.35 21.38	0.0 0.0 0.0 0.0 0.0	-5.0 -5.0 -5.0 -5.0	34.16 33.98 34.13 34.16	1.9846 2.1443 2.2343 2.2862	0.3955 0.4718 0.5740. 0.6893	0.0563 0.0390 0.0312 -0.0773	0.0015 -0.0003 -0.0020 -0.0055	-0.0002 -0.0007 0.0001 0.0011	0.0059 0.0063 0.0048 0.0052
7 8 9 10 11 12 13	10:97 13:08 15:20 17:30 19:35 21:38	0.0 0.0 0.0 0.0 0.0	-5.0 -5.0 -5.0 -5.0 -5.0	34.16 33.98 34.13 34.16 34.01	1.9846 2.1443 2.2343 2.2862 2.3701	0.3955 0.4718 0.5740. 0.6893 0.8124	0.0563 0.0390 0.0312 -0.0773 -0.1840	0.0015 -0.0003 -0.0020 -0.0055 -0.0105	-0.0002 -0.0007 0.0001 0.0011 0.0008	0.0059 0.0063 0.0048 0.0052 0.0056
7 8 9 10	10.97 13.08 15.20 17.30 19.35 21.38	0.0 0.0 0.0 0.0 0.0	-5.0 -5.0 -5.0 -5.0	34.16 33.98 34.13 34.16	1.9846 2.1443 2.2343 2.2862	0.3955 0.4718 0.5740. 0.6893	0.0563 0.0390 0.0312 -0.0773	0.0015 -0.0003 -0.0020 -0.0055	-0.0002 -0.0007 0.0001 0.0011	0.0059 0.0063 0.0048 0.0052

RUN 3												
PT	ALPHA	BETA	· IT	Q	CL	CD	СМ	CY	CN	CR		
1	-1.66	0.0	5.0	33.88	0.5634	0.1544	-0.0781	0.0007	-0.0006	0.0029		
<del>2</del> -	0.46	0.0	5.0	<del>33.96</del>	0.7591	0.1637	-0.0813	0.0028	-0.0007	0.0025		
3	2.58	0.0	5.0	33.95	0.9597	0.1799	-0.0814	0.0019	-0.0007	0.0020		
	~~~4 <del>~70</del> ~	0.0	<del>5.</del> 0 -	34.10	1.1653	0.2018	<del>0.0779</del>	<del>0.0015-</del>	-0.0004	0:0021		
5	6.82	0.0	5.0	34.00	1.3639	0.2308	-0.0801	0.0013	-0.0001	0.0028		
6	8.94	0.0	5.0		1 - 5581	0.2664	-0.0867	0.0029	0:0002	0.0026		
7	11.05	0.0	5.0	33.88	1.7414	0.3084	-0.0905	0.0003	0.0010	0.0029		
(8	13.16	· · · · · · · · · · · · · · · · · · ·	5.0	33.89	1 - 92 52	0.3635	-0.1052	-0.0010	- 0.0006	0.0040 -		
9	15.28	0.0	5.0	34.03	2.1127	0.4368	-0.1214	0.0005	0.0005	0.0053		
10	17.37	0.0	5.0	34.23	2.2615	- 0.5219 -	-0.1364	-0.0007	-0.0004	0.0068		
11	19.42	0.0	5.0	33.90	2.3582	0.6334	-0.1363	-0.0043	0.0008	0.0064		
12	21.45	- 0 - 0	- 5.0 -	34.09	2 -40 54	0.7529	-0.1980	-0.0059	0.0016	0.0048		
13	23.50	0.0	5.0	34.16	2.4755	0.8804	-0.2729	-0.0120	0.0010	0.0046		
14	25.54	-0-0	5.0	33.91	2.5538	1.0101	-0.2985 -	-0.0137	0.0037	0.0000		
15	27.57	0.0	5.0	33.96	2.6015	1.1540	-0.3278	-0.0237	0.0046	0.0192		
16-	29.56	0.0	5.0	34.10	2 • 5836 —	1.3138	0.3747	-0.0180	~0.0008	0.0172		

		es a serience_read				RUN 4				
PΤ	ALPHA	BETA	ΙΤ	Q	CL	CO	СМ	CY	CN	CR
1	-1.53	0.0	0.0	34.12	0.7847	0.1599	-0.0617	0.0059	-0.0019	-0.0004
2	- 0.6 0 -	0.0	0.0	34.12	1.0005	-0-1711-	-0.0835	0.0052	-0.0016	-0.0004
3	2.73	0.0	0.0	34.10	1.2010	0.1892	-0.0902	0.0059	-0.0017	-0.0009
4	4.83	0.⊕ ~	·· · · · · · · · · · · · · · · · · · ·	34:08			-0.0856	· · · 0 • 00 23 · · ·	0-0008	0. 0028 -
. 5	6.95	0.0	0.0	34.19	1.5749	0.2400	-0.0872	0.0027	-0.0013	0.0011
. 6	9.06	0.0	0 • 0	34.11		0.2754		~ 0 . 0026 ~	-0.0009	0.0051
7	11.19	0.0	0.0	33.93	1.9663	0.3226	-0.0832	0.0010	-0.0002	0.0008
8	13.28	- 040 °	· · ·0 : 0	34.25	2 - 1222	0.3790	-0.1009	-0.0011	0.0002	0.0030
9	15.37	0.0	0.0	34.05	2.2632	0.4500	-0.1207	-0.0009	-0.0002	0.0057
10	17.42	0.0	0.0	·· 34;67	2.3516	**************************************	-0.1067	~0. 00 24	··· 0.0	0.0082
11	19.48	0.0	0.0	33.74	2.4477	0.6363	-0.1233	-0.0057	0.0010	0.0039
12	21.51	0.0	0.0	33.94	2 • 4 9 1 9 "	7639	-0.2148	-0.0055	-0:0002	0.0079
13	23.55	0.0	0.0	34.28	2.5681	0.8925	-0.2811	-0.0112	0.0003	0.0107
14	25.57	$\Theta \bullet \Theta$	0.0	34.21	~~~880a• S~~~	1.0246	-0.2973	-0.0300	0.0048	0.0278
15	27.57	0.0	0.0	34.19	2.6039	1.1673	-0.3052	-0.0255	0.0031	.0124
16	29.55	0.0	0.0	34.03	2.5598	~~ 1 -31 58~~	-0.3537	~0.024 8 ~~	~0.0001	0.0071 ·-

TABLE V - PART 8 - TEST 4 DATA - CONTINUED.

.

						RUN 5				
PΤ	ALPHA	BETA	ΙT	Q	CL	CD.	СМ	CY	CN	CR
1	-1.58	0.0	-5.0	34.15	0.6915	0.1751	0.0631	0.0063	-0.0018	0.0002
2	0.55	0.0	-5.0	34.15	0.9033	0.1801	0.0334	0.0072	-0.0022	0.0004
3	2.67	0.0	-5.0	34.26	1.1103	0.1934	0.0192	0.0055	-0.0016	0.0006
Z,	4.79	0.0	-5.0	34.09	1.3132	0.2124	0.0074	0.0024	-0.0010	0.0018
5	6.91	0.0	-5.0	33.92	1.5095	0.2395	-0.0004	0.0031	-0.0011	0.0012
16	9702	0.0	-5.0	34.24	1.6921	0.2707	0.0099	0.0016	-0.0009	0.0049
7	11.15	0.0	-5.0	34.29	1.8973	0.3144	-0.0067	0.0053	-0.0010	0.0005
8	13.25	0.0	-5.0	34.11	2.0639	0.3681	-0.0201	0.0012	-0.0004	0.0026
9	15.33	0.0	-5.0	33.85	2.2069	0.4331	-0.0374	0.0023	-0.0008	0.0056
10	17.39	0.0	-5.0	33.87	2.3087	0.5139	-0 .0294	-0.0053	0.0010	0.0131
11	19.43	0.0	-5.0	34.03	2.3659	0.5987	-0.0316	-0.0019	0.0004	0.0044
1.2	21.46	0.0	-5.0	34.17	2.4194	0.7272	-0.1562	-0.0054	0.0006	0.0083
13	23.52	0.0	-5.0	33.98	2.5148	0.8570	-0.2226	-0.0079	-0.0004	0.0080
14	25.55	0.0	-5.0	33.88	2.5704	0.9847	-0.2792	-0.0249	0.0006	0.0191
15	27.54	0.0	-5.0	34.11	2.5511	1.1320	-0.2929	-0.0303	0.0006	0.0088
16	29.52	0.0	-5.0	33.94	2.5106	1.2710		-0.0221	-0.0013	0.0063
					•	RUN 6	<u> </u>			
PΤ	ALPHA	ВЕТА	IŦ	Q	CL _	CD	См	CY	CN	CR
1	-1.62	0.0	-10.0	34.38	0.6230	0.1950	0.1634	0.0079	-0.0026	-0.0035
2 ·	೧∙50	⊕.	-10.0	3 4 - 48	0.8321	0.1954	n:1445	···· 0.0055	-0.0016	-0.0014 "
3	2.63	0.0	10.0							
			-10.0	34.10	1.0359	0.2037	0.1314	0.0053	-0.0015	-0.0004
- 4	4.74	0.0~	-10:0	34-16	1.2173	~ · 0-2181/-	0.1239		-0.0015 -0.0013	0.0027
-·· 4 5	4.74 6.85	0.0 0.0							-0.0015	
-	4.74 6.85 8.98	0.0 0.0	-10:0	34.16 34.02	1.2173 ~ 1.4141	~ · 0-2181/-	0.1239	0.0040 0.0009	-0.0015 -0.0013	0.0027
5 6 7	4.74 6.85 8.98 11.10	0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0	34.16 34.02	1.2173 1.4141 1.6185 1.8143	0.2181 0.2396	0.1239 0.1133	0.0040 0.0009	-0.0015 -0.0013 -0.0009	0.0027
5 6	4.74 6.85 8.98 11.10 13.21	0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0	34.16 34.02 34.13	1.2173 1.4141 1.6185 1.8143	0.2396 0.2396 0.2687 0.3072 0.3582	0.1239 0.1133 0.1030 0.0929 0.0635	0.0040 0.0009 0.0026 0.0019 0.0018	-0.0015 -0.0013 -0.0009	0.0027 0.0023 0.0033
5 6 7 	4.74 6.85 8.98 11.10 13.21 15.30	0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0	34.16 34.02 34.13 34.14 33.97 34.00	1.2173 1.4141 1.6185 1.8143 1.9980 2.1484	0.2181 0.2396 0.2687 0.3072 0.3582 0.4225	0.1239 0.1133 0.1030 0.0929 0.0635 0.0448	0.0040 0.0009 0.0026 0.0019 0.0018 0.0	-0.0015 -0.0013 -0.0009 -0.0010 -0.0005 -0.0006	0.0027 0.0023 0.0033 0.0056 0.0017 0.0057
5 6 7 	4.74 6.85 8.98 11.10 13.21 15.30	0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.16 34.02 34.13 34.14 33.97 34.00	1.2173 1.4141 1.6185 1.8143 1.9980 2.1484 2.2428	0.2181 0.2396 0.2687 0.3072 0.3582 0.4225	0.1239 0.1133 0.1030 0.0929 0.0635 0.0448	0.0040 0.0009 0.0026 0.0019 0.0018	-0.0015 -0.0013 -0.0009 -0.0010 -0.0005 -0.0006 -0.0003 -0.0017	0.0027 0.0023 0.0033 0.0056 0.0017 0.0057
5 6 7 	4.74 6.85 8.98 11.10 13.21 15.30	0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0	34.16 34.02 34.13 34.14 33.97 34.00	1.2173 1.4141 1.6185 1.8143 1.9980 2.1484 2.2428 2.3139	0.2181 0.2396 0.2687 0.3072 0.3582 0.4225 0.4964 0.5886	0.1239 0.1133 0.1030 0.0929 0.0635 0.0448 0.0490 0.0374	0.0040 0.0009 0.0026 0.0019 0.0018 0.0 -0.0063 -0.0051	-0.0015 -0.0013 -0.0009 -0.0010 -0.0005 -0.0006 -0.0003 -0.0017 0.0014	0.0027 0.0023 0.0033 0.0056 0.0017 0.0057 0.0145 0.0031
5 6 7 8 9	4.74 6.85 8.98 11.10 13.21 15.30	0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.16 34.02 34.13 34.14 33.97 34.00	1.2173 1.4141 1.6185 1.8143 1.9980 2.1484 2.2428	0.2181 0.2396 0.2687 0.3072 0.3582 0.4225	0.1239 0.1133 0.1030 0.0929 0.0635 0.0448	0.0040 0.0009 0.0026 0.0019 0.0018 0.0	-0.0015 -0.0013 -0.0009 -0.0010 -0.0005 -0.0006 -0.0003 -0.0017	0.0027 0.0023 0.0033 0.0056 0.0017 0.0057
5 6 7 8 9	4.74 6.85 8.98 11.10 13.21 15.30 17.35 19.40	0.0 0.0 0.0 0.0 0.0 0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.16 34.02 34.13 34.14 33.97 34.00 34.00	1.2173 1.4141 1.6185 1.8143 1.9980 2.1484 2.2428 2.3139	0.2181 0.2396 0.2687 0.3072 0.3582 0.4225 0.4964 0.5886	0.1239 0.1133 0.1030 0.0929 0.0635 0.0448 0.0490 0.0374	0.0040 0.0009 0.0026 0.0019 0.0018 0.0 -0.0063 -0.0051	-0.0015 -0.0013 -0.0009 -0.0010 -0.0005 -0.0006 -0.0003 -0.0017 0.0014	0.0027 0.0023 0.0033 0.0056 0.0017 0.0057 0.0145 0.0031
5 6 7 8 9 10 11	4.74 6.85 8.98 11.10 13.21 15.30 17.35 19.40	0.0- 0.0 0.0 0.0 0.0 0.0 -0.0	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.16 34.02 34.13 34.14 33.97 34.00 34.14 34.27	1.2173 1.4141 1.6185 1.8143 1.9980 2.1484 2.2428 2.3139 2.3666	0.2181 0.2396 0.2687 0.3072 0.3582 0.4225 0.4964 0.5886	0.1239 0.1133 0.1030 0.0929 0.0635 0.0448 0.0490 0.0374	0.0040 0.0009 0.0026 0.0019 0.0018 0.0 -0.0063 -0.0051	-0.0015 -0.0013 -0.0009 -0.0010 -0.0005 -0.0006 -0.0003 -0.0017 0.0014	0.0027 0.0023 0.0033 0.0056 0.0017 0.0057 0.0145 0.0031
5 6 7 8 9 10 11 12 13 -14 15	4.74 6.85 8.98 11.10 13.21 15.30 17.35 19.40 21.43 23.48	0.0- 0.0 0.0 0.0 0.0 -0.0 -0.0 -0.0 -0.	-10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0	34.16 34.02 34.13 34.14 33.97 34.00 34.14 34.27 34.05	1.2173 1.4141 1.6185 1.8143 1.9980 2.1484 2.2428 2.3139 2.3666 2.4547 2.4845 2.4932	0.2181 0.2396 0.2687 0.3072 0.3582 0.4225 0.4964 0.5886 0.7093 0.8279	0.1239 0.1133 0.1030 0.0929 0.0635 0.0448 0.0490 0.0374 -0.0820 -0.1545	0.0040 0.0009 0.0026 0.0019 0.0018 0.0 -0.0063 -0.0051 -0.0028 -0.0073	-0.0015 -0.0013 -0.0009 -0.0010 -0.0005 -0.0006 -0.0003 -0.0017 0.0014 -0.0020 0.0	0.0027 0.0023 0.0033 0.0056 0.0017 0.0057 0.0145 0.0031 0.0037 0.0060

						RUN 7		and the second s		.e
PΤ	ALPHA	BETA	ΙT	۵	CL	CD	CM	CY	CN	CR
1	-1.53	0.0	0.0	34.22	0.7786	0.1330	-0.0823	0.0050	-0.0021	-0.0010
-5 -		· ···••	 	34.00			-0.0959	0.0031 =	-0.0016	0.0
3	2.71	0.0	0.0	34.07	1.1822	0.1646	-0.0972	0.0009	-0.0013	0.0032
<i>3</i>	4.84	0.0		34.02			0.0974	-0.0001	-0.0010	0.0043
5	6.95	0.0	0.0	34.16	1.5745	0.2215	-0.0991	0.0003	-0.0012	0.0048
6	9.06	0.0		34,04	1.7572		0 -07 80	-0.0013	-0.0009	0.0078
7	11.18	0.0	0.0	34.07	1.9532	0.3055	-0.0865	-0.0017	0.0	0.0049
8	13.29	0.0		34.07	2.1298		0.0925	-0.0021	-0.0002	0.0047
9	15.38	0.0	0.0	34.12	2.2787	0.4365	-0.1126	-0.0025	-0.0001	0.0089
10	17.42	0.0	0.0	34.12	2.3537	0.5316		-0.0090	0.0005	0.0108
11	19.48	0.0	0.0	33.99	2.4448	0.6193	-0.1142	-0.0090	0.0004	0.0086
12	21.50	0.0	0.0	34.09	2.4916	0.7483	-0.2048	-0.0076	-0.0002	0+0085
12 13	23.56	0.0	0.0	34.09	2.5856	0.8814	-0.2509	-0.0145	0.0003	0.0118
14	25.58	0.0	0.0	34.19	2.6110	1.0229	-0 .2963	-0.0384	0.0064	0.0309
15	27.57	0.0	0.0	34.12	2.6064	1.1675	-0.3259	-0.0351	0.0010	0.0123
16	29.55	0.0	0.0	34.14	2.5616	1.3113	-0.3475	-0.0326	-0.0035	0.0083
						RUN 8				
PΤ	ALPHA	BETA	17	a	CL	CD	CM	CA	CN	CR
1	-1.52	0.0	0.0	34.33	0.7953	0.1329	-0.0807	0.0017	-0.0014	0.0016
2	0.61	0.0	0.0	34.12	1.0045	0.1450	-0.0954	0.0015	-0.0011	0.0016
3	2.73	0.0	0.0	34.09	1.2107	0.1638	-0.1022	0.0017	-0.0013	0.0010
<i>⊃</i> 4	4.85	0.0	0.0	34.11	1.4001	0.1903	-0.0950	-0.0009	-0.0006	0.0032
5	6.97	0.0	0.0	34.26	1.6055	0.2228	-0.0987	0.0018	-0.0011	0.0015
6	9.08	0.0	0.0	34.01	1.7957	0.2600	-0.0885	-0.0006	-0.0005	0.0036
	11.20	υ <u>.</u> 0	0.0	34.17	1.9839	0.3065	-0.0830	-0.0007	-0.0002	0.0045
		· • ·			0 1000	0:3590	-0.0995	-0.0024	-0.0001	0.0055
7		0.0	0.0	33.90	2.1229	₩ • 227 €	0.0777	V ■ 12 N S S 18		
7 8	13.28	0.0 0.0	0.0 0.0		2.2813	0.4316	-0.1216	-0.0026	-0.0002	0.0075
7 8 9	13.28 15.38	0.0	0.0	33.69				-0.0026 -0.0077	-0.0002 0.0003	0.0107
7 8 9 10	13.28 15.38 17.44	0.0	0.0 0.0		2.2813	0.4316	-0.1216 -0.1221 -0.1262	-0.0026 -0.0077 -0.0104	-0.0002 0.0003 0.0002	0.0107 0.0114
7 8 9 10 11	13.28 15.38 17.44 19.51	0.0 0.0 0.0	0.0 0.0 0.0	33.69 34.10 34.29	2.2813 2.3861 2.4987	0.4316 0.5217	-0.1216 -0.1221	-0.0026 -0.0077 -0.0104 -0.0137	-0.0002 0.0003 0.0002 0.0005	0.0107 0.0114 0.0159
7 8 9 10 11 12	13.28 15.38 17.44 19.51 21.53	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	33.69 34.10	2.2813 2.3861	0.4316 0.5217 0.6286 0.7517 0.8930	-0.1216 -0.1221 -0.1262 -0.1995 -0.2508	-0.0026 -0.0077 -0.0104 -0.0137 -0.0301	-0.0002 0.0003 0.0002 0.0005 0.0046	0.0107 0.0114 0.0159 0.0337
7 8 9 10 11 12 13	13.28 15.38 17.44 19.51 21.53 23.55	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0	33.69 34.10 34.29 34.07	2.2813 2.3861 2.4987 2.5357	0.4316 0.5217 0.6286 0.7517	-0.1216 -0.1221 -0.1262 -0.1995 -0.2508 -0.2961	-0.0026 -0.0077 -0.0104 -0.0137 -0.0301 -0.0306	-0.0002 0.0003 0.0002 0.0005 0.0046 0.0067	0.0107 0.0114 0.0159 0.0337 0.0356
7 8 9 10 11 12	13.28 15.38 17.44 19.51 21.53	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	33.69 34.10 34.29 34.07 34.43	2.2813 2.3861 2.4987 2.5357 2.5736	0.4316 0.5217 0.6286 0.7517 0.8930	-0.1216 -0.1221 -0.1262 -0.1995 -0.2508	-0.0026 -0.0077 -0.0104 -0.0137 -0.0301	-0.0002 0.0003 0.0002 0.0005 0.0046	0.0107 0.0114 0.0159 0.0337

TABLE V - PART B - TEST 4 DATA - CONTINUED.

						RUM 9				
₽Ţ	ALPHA	BETA	ΙT	Q	CL	CO	CM	CY	CN	CR .
1	-1.51	0.0	0.0	34.26	0.8193	0.1333	-0.0769	0.0024	-0.0017	0.0007
2	0.62	0.0	0 -0	34.04	1.0264	0 • 1454 ·	-0.0954	0.0012	0.0013	0.0010
3	2.74	0.0	0.0	34.30	1.2181	0.1636	-0.0932	-0.0012	-0.0008	0.0049
4	4.85	0.0	0.0	34:13	1:4155	0-:1884	~~ ~0.095 6′′	-0:0012	-0.0010	0.005 0
5	6.98	0.0	0.0	34.04	1.6154	0.2201	-0.0915	-0.0004	-0.0011	0.0047
6	9.09	0.0	. 0.0	34.20	1.8014	0.2573		0.0017	-0 .0010	0~0066
7	11.19	0.0	0.0	34.05	1.9738	0.2998	-0.0855	-0.0020	-0.0008	0.0068
8	13.31	0.0	····· 0 • 0 ··· ·-	33-94	·····2 • 1 6 6 9 - ···	0.3577	-0.1067	········ 0 • 00 0 4 ····	-0.0005	0.0041
9	15.41	0.0	0.0	34.04	2.3425	0.4291	-0.1244	-0.0005	-0.0009	0.0051
10	17.46	0.0	-0.0	34 .06	2.4212	0.5128	-0:1 227		-0:0003	0.0078
11	19.53	0.0	0.0	34.06	2.5332	0.6175	-0.1267	-0.0077	0.0	0.0137
12	21.55	0.0	0.0	34.22	2.5584	0.7458	-0.1946	0.0127	0.0034	0.0168
13	23.56	0.0	0.0	. 34.24	2.5781	0.8829	-0.2770	-0.0179	0.0060	0.0278
14	25.61	0.0	· · · · · 0 • · · · - ·	34 • 13	2 •6 660	1.0293	-0.3403	-0.0234 ···	0.0065	~~0. 0296 ~
15	27.58	0.0	0.0	34.14	2.6161	1.1807	-0.3833	-0.0230	8000.0	0.0071
16	29.56	0.0	0.0	33.9 7	2 • 5892	1.3334	-0.4198	-0 .0151	0+0004	
						RUN 10				
PΤ	ALPHA	BETA	ΙT	Q	CL	CD	СМ	CY	CN	CR
1	-1.51	0.0	0.0	34.01	0.8092	0.1545	-0.0852	0.0038	-0.0013	0.0014
-2	0.62	0.0	0.0	34. 0 2	1:0253	0.1666	-0.1059 -	0.0043-	-0.0014	0.0
3	2.74	0.0	0.0	34.04	1.2296	0.1847	-0.1149	0.0029	-0.0011	0.0011
ሳ …	4.85	0.0	-0.0	34.07	1-4 049	0.2063	-0.1093 -	-0.0011 -	-0.0008	0.0053
5	6.97	0.0	0.0	34.02	1.5997	0.2357	-0.0989	0.0012	-0.0005	0.0058
· · · · · · · · · · · · ·	9. 0 9	00	0.0	34.07	1.8036	0.2726	-0.1094	0.0013	-0.0006	0.0024
7	11.19	0.0	0.0	34.03	1.9659	0.3149	-0.1082	0.0006	-0.0001	0.0048
8	13.30	- 0.0	0.0	33.96	2 • 1 5 06	0.3691	-0.1207	-0.0015	0.0002	0.0048
9	15.39	0.0	0.0	33.92	2.3018	0.4372	-0.1344	-0.0016	-0.0003	0.0067
	17.45	0.0	0.0	33.95	2 • 40 60	0.5230	-0.1399	-0.0050	0.0002	0.0088
11	19.51	0.0	0.0	34.04	2 • 4966	0.6232	-0.1337	-0.0064	0.0004	0.0154
12	21.53	0. ∩	0.0	34.03	2.5327	0.7492	-0.2025	-0.0106	0.0039	0.0144
13	23.54	0.0	0.0	33.96	2.5470	0.8857	-0.2772	-0.0133	0.0062	0.0272

1.0230

1.1762

1.3370

-0.3314

-0.3858

-0.3989

-0.0259

-0.0305

-0.0251

0.0061

0.0036

-0.0016

0.0301

0.0149

0.0

34.05

33.96

33.93

0.0

0.0

0.0

2.6344

2.6295

2-5847

14 25.59 0.0

9 16 29.56 0.0

27.59

0.0

15

RUM 11

ΡŢ	ALPHA	BFTA	ΙT	0	Ct.	CD	CM	CY	CM	CR
	1 61	0.0	0.0	34.02	0.8054	0.1504	-0.0785	0.0034	-0.0014	0.0022
1	-1.51	0.0	0.0	34.08	1.0154	0.1602	-0.0943	0.0031	-0.0015	0.0019
2	0.61	0.0	0.0	34.07	1.2268	0.1789	-0.1024	0.0031	-0.0012	0.0010
3 4	2.74	0.0	0.0	34.08	1.4054	0.2012	-0.0931	0.0005	-0.0010	0.0055
5	4.85 6.97	0.0	0.0	34.12	1.5981	0.2312	-0.0902	-0.0003	-0.0005	0.0072
		0.0	0.0	34.10	1.7809	0.2652	-0.0868	0.0004	-0.0010	0.0073
6	9.08	0.0	0.0	34.01	1.9542	0.3061	-0.0877	-0.0016	-0.0004	0.0090
7	11.18	0.0	0.0	34.17	2 • 1.648	0.3657	-0.1150	-0.0015	0.0	0.0042
R	13.31	0.0	0.0	34.15	2.3162	0.4344	-0.1302	-0.0009	-0.0007	0.0063
9	15.40	0.0	0.0	34.16	2.4079	0.5209	-0.1317	-0.0025	-0.0006	0.0079
10	17.45	0.0	0.0	34.19	2 4766	0.6178	-0.1199	-0.0096	0.0012	0.0191
11	19.50			34.06	2.5216	0.7574	-0.1938	-0.0116	0.0062	0.0197
1.2	21.52	0.0 0.0	0.0 0.0	34.12	2.5548	0.8847	-0.2655	-0.0158	0.0067	0.0282
13	23.54	•		33.96	2.6219	1.0208	-0.3327	-0.0312	0.0052	0.0319
14	25.58	0.0	0.0 0.0	34.02	2.6271	1.1712	-0.3684	-0.0279	0.0050	0.0155
15 16	27.59 29.56	0.0 0.0	0.0	33.98	2.5838	1.3306	-0.4005	-0.0241	-0.0002	0.0031
						DIIN 12				
						RUN 12				
РΤ	ALPHA	BETA	ΙT	0	CF	CO	CW	CA	CM	CB
1	-1.51	0.0	0.0	33.96	0.8131	0.1366	-0.0769	0.0005	-0.0013	0.0016
s I	0.62	0.0	0.0	33.93	1.0343	0.1481	-0.0926	0.0018	-0.0014	0.0010
3	2.75	0.0	0.0	34.00	1.2343	0.1675	-0.0940	0.0001	-0.0011	0.0021
. 4	4.85	0.0	0.0	34.03	1.4129	0.1913	-0.0931	-0.0019	-0.0010	0.0056
5	6.97	0.0	0.0	34.02	1.6096	0.2224	-0.0847	-0.0021	-0.0005	0.0066
6	9.08	0.0	0.0	34.08	1.7822	0.2555	-0.0854	-0.0027	-0.0005	0.0082
7	11.18	0.0	0.0	34.01	1.9611	0.2987	-0.0884	-0.0019	-0.0006	0.0072
8	13.31	0.0	0.0	33.90	2.1635	0.3570	-0.1038	-0.0025	0.0	0.0057
9	15.40	0.0	0.0	33.79	2.3104	0.4254	-0.1194	-0.0026	-0.0005	0.0078
10	17.47	0.0	0.0	34.19	2.4337	0.5190	-0.1267	-0.0063	-0.0002	0.0094
11	19.52	0.0	0.0	34.24	2.5096	0.6161	-0.1186	-0.0077	0.0004	0.0164
12	21.54	0.0	0.0	33.96	2.5419	0.7531	-0.1917	-0.0191	0.0063	0.0234
13	23.56	0.0	0.0	33.86	2.5799	0.8845	-0.2739	-0.0220	0.0059	0.0296
14	25.60	0.0	0.0	33.97	2.6564	1.0266	-0.3435	-0.0310	0.0052	0.0321
15	27.60	0.0	0.0	34.02	2.6448	1.1726	-0.3663	-0.0351	0.0036	0.0135
16	29.58	0.0		33.88	2.6096	1.3374	-0.4094	-0.0263	-0.0011	0.0030
T (1										

TABLE VI - PART A - TEST 5 TABULATION SCHEDULE.

				WING					TAIL		
Run	q	a Range	⁶ f	plc	⁸ L	Glove Slat	Flap Actuator Fairings	it	δ _{SB}	δ _{SF}	Comments
1	34.5	-228	35	5	17°MOD	On	On	0	Off	Off	
2				+					60		
3				-4.5					+		
4	+	1	4	*	+	1	¥	1	Off	+	

										-
						RHN 1.				
РΤ	ALPHA	BETA	ΙT	۵	۲L	CD	CM	CY	CM	Cs
		0.0	0.0	34.17	0.4890	0.1380	0.0469	0.0076	-0.0023	0.0004
1	-1.70	0.0		34.17	0.6908	0.1420	0.0351	0.0073	-0.0019	0.0012
?	0.42	0.0	0.0	34.16	0.9057	0.1554	0.0232	0.0082	-0.0016	0.0017
3	2.55	0.0	0.0	34.31	1.1018	0.1749	0.0310	0.0081	-0.0016	0.0019
4 _h	4.67	0.0	0.0	34.24	1.2939	0.1990	0.0339	0.0087	-0.0013	0.0024
5	6.78	0.0	0.0		1.4805	0.2298	0.0269	0.0081	-0.0011	0.0026
6	8.89	0.0	0.0	34.14	1.6815	0.2699	0.0139	0.0075	-0.0010	0.0009
7	11.02	0.0	0.0	34.11	1.8777	0.3214	0.0032	0.0075	-0.0008	0.0019
8	13.13	0.0	0.0	34.11	2.0678	0.3846	-0.0298	0.0066	-0.0009	0.0014
9	15.25	0.0	0.0	34.08	2.2574	0.4666	-0.0623	0.0062	-0.0012	0.0016
10	17.36	0.0	$\theta \neq 0$	34.07	2.3851	0.5749	-0.0741	0.0045	-0.0004	0.0012
11	19.44	0.0	0.0	34.12		0.6922	-0.1278	0.0021	0.0018	-0.0021
1.2	21.49	$0 \bullet 0$	$0 \bullet 0$	34.22	2.4684	0.8233	-0.2341	0.0079	0.0027	0.0002
13	23.52	0.0	0.0	34.05	2.5231	0.9664	-() • 2996	-0.0051	0.0041	0.0098
14	25.56	⊕ ቦ	0.0	33.95	2.5786	1.1050	-0.3504	-n.0115	0.0030	0.0088
15	27.59	0.0	0.0	33.67	2.6326		-0.3896	-0.0026	-0.0021	-0.0011
16	29.57	⊕+⊕	··· ·· · · · · · · · · · · · · · · · ·	33.89	2.6074	1.2675	-0.02020	17 • 37177.17	(
						RUN 2				
PΤ	ALPHA	BETA	IT	()	CL	CD	CM	CY	CN	CR
_		0 0	0.0	33.91	0.4684	0.1876	0.0435	0.0132	-0.0030	0.0004
1	-1.72	0.0	0.0	34.02	0.6784	0.1933	0.0207	0.0115	-0.0027	0.0005
2	0.41	0.0		34.01	0.8803	0.2045	0.0212	0.0117	-0.0024	0.0009
3	2.53	0.0	0.0 - 0.0	። - · 34•01	1.0818	0:2206	0.0225	0.0107	-n.0018	0.0019
4	4 . 65	0.0	0.0	34.25	1.2637	0.2414	0.0303	0.0111	-0.0017	0.0018
5	6.76	0.0	0.0	34.17	1.4528	0.2703	0.0281	0.0111	-0.0019	0.0021
6	8.88	0.0	0.0	34.12	1.6515	0.3108	0.0241	0.0076	-0.0007	0.0019
7	11.00	0.0	0.0	34.06	1.8324	0.3561	0.0120	0.075	-0.0008	0.0018
8	13.11		0.0	34.05	2.0259	0.4193	-0.0017	0.0054	-0.0004	0.0025
9	15.22	በ•በ • በ •	0.0	34÷17 ···	2.2068	0.4995	-0.0 130	0+0079	-0.0011	0.0014
10	17-33-	•	0.0	34.20	2.3081	0.5993	-0.0050	0.0068	-0.0002	0.0012
11	19.39	0.0	0.0	34.21	2.3698	0.7094	-0.0298	0.0068	0.0013	-0.0032
12	21.43	0.0	0.0	34.03	2.4316	0.8371	-0.1224	0.0232	0.0002	-0.0020
13	23.47	0.0	0.0	34.10	2.3771	0.7090	-0.0302	0.0071	0.0007	-0.0027
· 14	21.44	0.0		34.18	2.4220	0.8348	-0.1199	0.0164	0.0016	0.0
15	23.46	0.0	0.0 	34-15 ··		0.9823	0.1939	-0.0011	0.0029	0.0091
-16	25.50	··· 0 · 0	0.0	34.21	2.5169	1.1101	-0.2431	-0.0049	0.0023	0.0093
17	27.52	0.0	0.0	33.99	2.5165	1.2661	-0.2847	-0.0064	-0.0010	0.0003
18	29.52	0.0	U • U	33437	1.42402	* = ** ** ** **				
•										

TABLE VI - PART B - TEST 5 DATA - CONCLUDED.

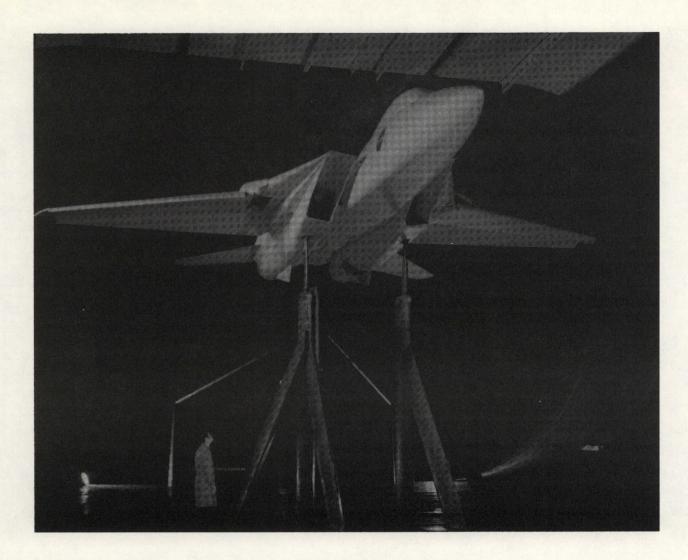
2 0.59 0.0 0.0 34.04 0.9688 0.1962 -0.0741 0.0112 -0.0026 -0.3 2.71 0.0 0.0 34.20 1.1747 0.2131 -0.0834 0.0118 -0.0023 -0.0	
2 0.59 0.0 0.0 34.04 0.9688 0.1962 -0.0741 0.0112 -0.0026 -0.3 2.71 0.0 0.0 34.20 1.1747 0.2131 -0.0834 0.0118 -0.0023 -0.0	CR
3 2.71 0.0 0.0 34.20 1.1747 0.2131 -0.0834 0.0118 -0.0023 -0.	0057
	0022
	0015
	0022 - -
5 6.94 0.0 0.0 34.12 1.5494 0.2587 -0.0692 0.0122 -0.0025 -0.	0016
6 9.05 0.0 0.0 34.01 1.7313 0.2910 -0.0661 0.0100 -0.0020 -0.	0003
7 11.15 0.0 0.0 34.04 1.9056 0.3323 -0.0571 0.0070 -0.0013 0.	0010
8 13.27 0.0 0.0 34.12 2.1022 0.3870 -0.0695 0.0086 -0.0002 -0.	0040
9 15.36 0.0 0.0 34.00 2.2495 0.4474 -0.0713 0.0081 -0.0003 -0.	0005
	<u> </u>
11 19.48 0.0 0.0 33.81 2.4512 0.6238 -0.0452 0.0061 -0.0007 0.	f)
12 21.52 0.0 0.0 33.81 2.5098 0.7419 -0.0832 0.0057 0.0003 -0.	0002
13 23.56 0.0 0.0 34.47 2.5803 0.8807 -0.1886 0.0167 -0.0003 -0.	0009
14 - 25.58 0.0 0.0 33.99 2.6205 1.0067 -0.2602 0.0021 -0.0003 -0	0006
15 27.57 0.0 0.0 34.19 2.5915 1.1575 -0.2649 -0.0189 0.0038 0	0200
$\frac{16-29.51}{16-29.51} - \frac{0.0}{1000} - \frac{34.43}{1000} - \frac{34.43}{1000} - \frac{36.50}{1000} - \frac{3091}{1000} - \frac{3091}{1000} - \frac{3000}{1000} - \frac{36.50}{1000} - \frac{36.50}{1000} - \frac{3091}{1000} - \frac{3091}{1000} - \frac{3000}{1000} - \frac{36.50}{1000} - \frac{36.50}{10000} - \frac{36.50}{1000} - \frac{36.50}{10000} - \frac{36.50}{1000} - 3$	0016

	RUN 4													
PT	ALPHA	BETA	IT	Ď	CL	CD	СМ	CY	CN	CR				
1	-1.52	0.0	0.0	34.05	.0.7985	0.1372	-0.0575	0.0114	-0.0027	-0.0035				
 2	0.60	0.0 -	····· · 0 · · 0 -	34.12	0.9960	0 :1.478	-0.0 755	0.0110	-0.0023	-0.0011				
3	2.72	0.0	0.0	34.26	1.1891	0.1639	-0.0844	0.0096	-0.0019	-0.0019				
	4 - 84	0.0	0.0	34.23	1.3869	0 - 1884	-0.0829	0.0101	-0.0019	-0:0014				
5	6.94	0.0	0.0	34.15	1.5629	0.2170	-0.0836	0.0097	-0.0015	-0.000R				
6	9.06	· · · · · · · · · · · · · · · · · · ·		34.02	1.7508	0.2524	0.0842	0.0095	-0.0017	-0.0004				
7	11.18	0.0	0.0	34.10	1.9540	0.2981	-0.0773	0.0078	-0.0015	0.0012				
	13.30	0 - 0	··· ··· · · · · · · · · · · · · · · ·	34.12	~ 2.1504	-0-3521	-0.0949	0.0064	-0.0004	-0:0019				
9	15.39	0.0	0.0	34.06	2.3065	0.4158	-0.1117	0.0059	-0.0005	-0.0002				
10	17.47	0.0	0.0	34.24 -	2 • 4395	0.5133	-0.1227	0, 00 47 · ~	-0.0015					
11	19.53	0.0	0.0	34.06	2.5339	0.6029	-0.1262	0.0023	-0.0006	0.0030				
12	21.57	- e • e - · · ·	÷ • • • • • • • • • • • • • • • • • • •	34.09	2. 5913	0.7249	-0.1922	~0. 0013	0.0015	-0.0004				
13	23.59	0.0	0.0	34.17	2.6312	0.8705	-0.3034	0.0059	0.0022	0.0054				
14	- 25.61 -	- - 0 - 0	0,0	33,94	2 •65 76	1.0100	-0.3423	-0.0203	0.0044	0.0307				
15	27.63	0.0	0.0	34.31	2.6971	1.1473	-0.3872	-0.0207	0.0043	0.0221				
5 16 .	- 29.58 -	0.0	0.0	34.35	2.6220	1.3011	-0.3991 -	- -0.0093		0-0 028				

				<u>,</u>	CONFIGURATION									
Figure	Effect Shown	Test	Run	đ	6 DLC	⁶ L	Flap Actuator Pairings	Glove Slat	i _e	6 _{SB}	\$ _{SF}	Gear	Missiles	Comments
4	Standard Configuration	5 4 3 2	4 9 13 5 15	35	-4.5	16,50, WOD	On	On	0	Off	Off	Off	off	
5	Base Data	3	13 7	35 †	-4.5 5	17° MOD	On.	On #	•	Off +	off	Off	Off ♦	
6(a)	Reynolds Number	3	10 11 12 13 14	35	-4.5	17° MOD	Om	On	•	Off	Off	Off	Off 	
6(b)	Reynolds Number	2	3 4	35 †	-4.5 †	17° MOD	Off	On	0	Off	Off.	Off	Off	
7	Clove Slat	3	13 16	35 †	-4.5	17° MOD	On ♥	On Off	0	Off	Off ♦	Off ♦	Off †	
8	Wing Slat Leading-Edge Radius	1	2 3	35 +	-4.5 ★	16°20' 16°20' MOD	off ↓	Off	0	Off	Off	off	off •	
9	Cold-Flow Ducting	1	15 13	35 †	-4.5 #	16°20' MOD	0n ∳	On.	0	Off	O£f ∳	Off	off ∳	Nozzles Piugged
10(a)	Uniform Flap Defiaction	ļ	15 27 3 1	35 25 35 0	-4.5 	16°20' MOD	Off	On ↓ Off ↓	0 Off O	Off	Off	Off	Off	
10(Ъ)	Non-Uniform Flap Deflection	1	3 4 5	35 40/35/35 40/40/35	-4.5 ↓	16°20' MOD	off ↓	Off	Ů,	Off	off	Off 	Off 	
11(a)	Horizontal Tail Incidence	1	18 20 19 21 22 24	35	5	16*20' MOD	Off	On	0 -5 5 Variable # Off	off	Off	Off	Off	

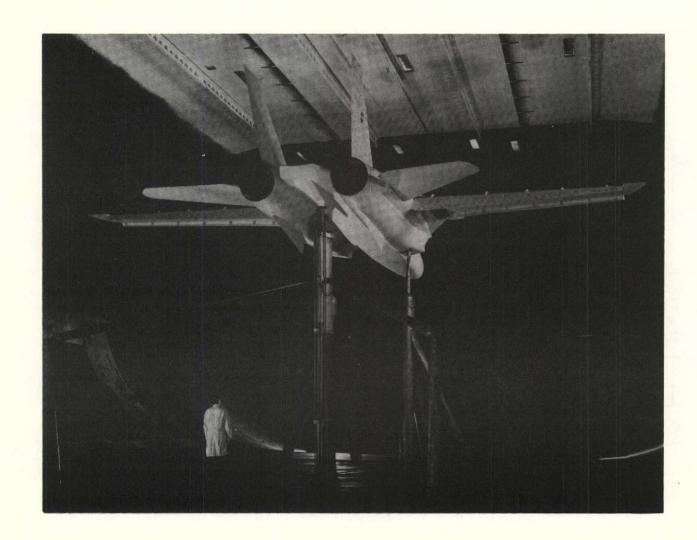
TABLE VII - CONCLUDED.

		CONFIGURATION												
Figure	Effect Shown	Ţest	Run	⁶ f	δ _{DLC}	⁸ L	Flap Actuator Fairings	Glove Slat	i _t	δ _{SB}	δ _{SF}	Gear	Missiles	Comments
11(ъ)	Split Flaps	2	6 7 9 8	35	5	17° MOD	On 	On	0 5 -5 5	Off	Off 45 ∳ Off	Off ↓	Off	
11(c)	Horizontal Tail Root Seal	1	15 8	35 ♦	-4.5 †	16°20' MOD	Off ∳	On †	0	Off •	Off •	Off	Off ∳	Tail Gap Scaled
12	Direct Lift Control (Spoilers)	2	5 11 6 10	35	-4.5 0 5 20	17° MOD	On.	On	0	Off	Off	Off	Off	
13	Speed Brake	1	15 16 18 17	35	-4.5 ↓ 5	16°20' MOD	Off	On.	0	0ff 60 0ff 60	Off	Off	Off	
14(a)	Gear and Missiles	4	9	35 ¥	-4.5	17° MOD	On	On.	0	Off	Off	Off On	Off On	
14(b)	Landing Gear	4	9 11 10	35	-4.5	17° MOD	On ↓	On.	0	Off	Off	Off Main On	Off	Nose Gear Off
14(c)	Missiles and Pylons	4	9 7 8	35	-4.5 	17° MOD	On.	On	ů Į	Off 	Off 	Off	Off On Pylons	Pylons Only On
15	Fuselage Cavity	1	15 7	35 *	-4.5 ♦	16°20' MOD	Off ♦	On	0	Off	off	Off ♦	Off	Cavity Sealed



(a) Three - quarter front view.

Figure 1.- Model installed in the Ames 40- by 80-Foot Wind Tunnel



(b) Three - quarter rear view.

Figure 1.- Concluded.

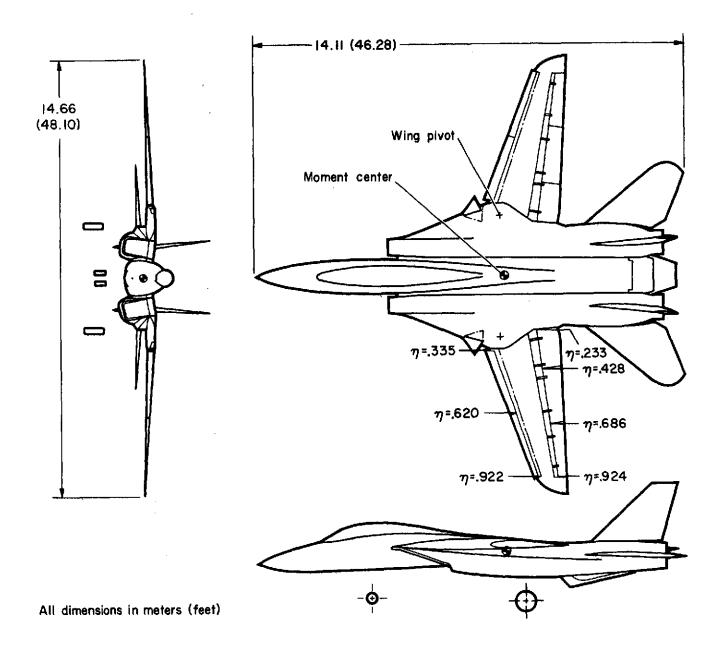
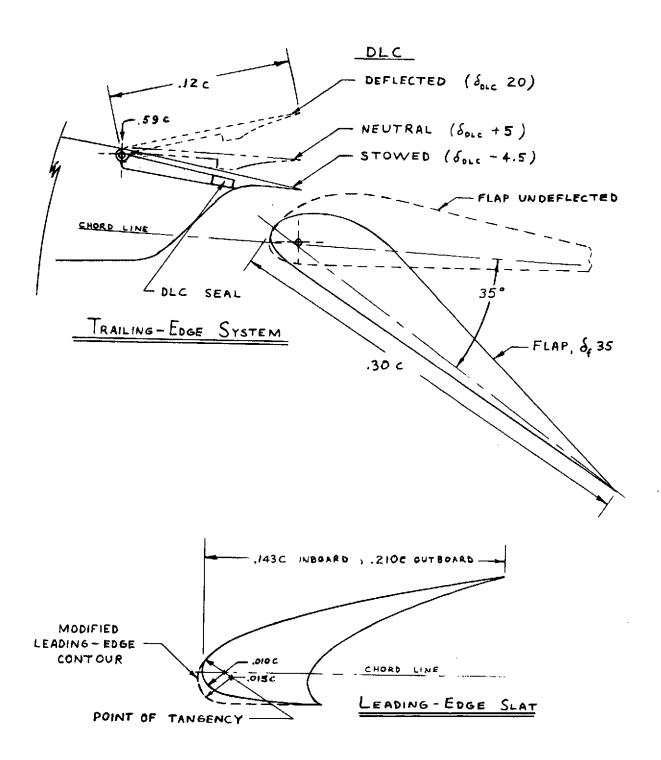
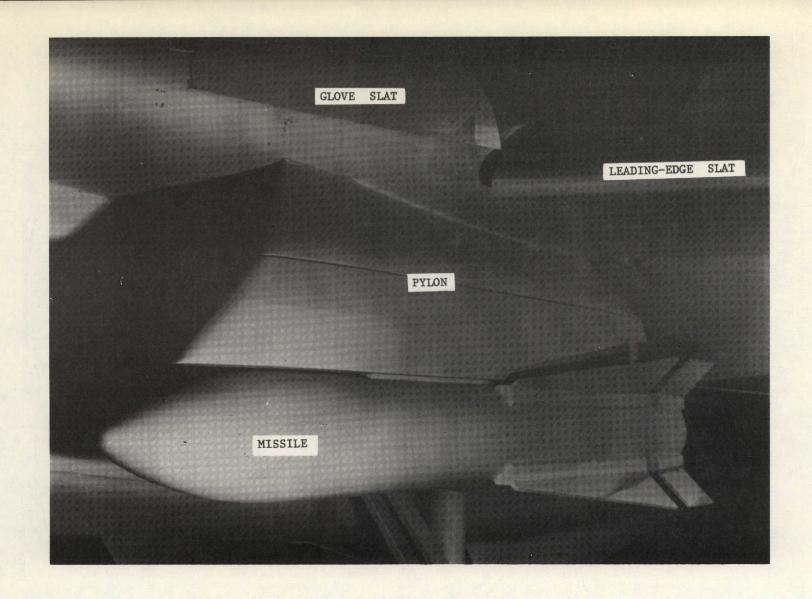


Figure 2.- Model Geometry.



(a) Leading - and trailing - edge systems.

Figure 3.- Model Component details.



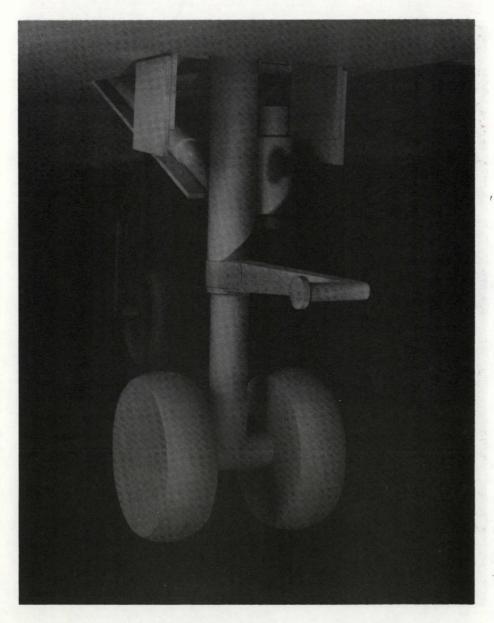
(b) Apparatus at the wing/glove juncture.

Figure 3.- Continued.



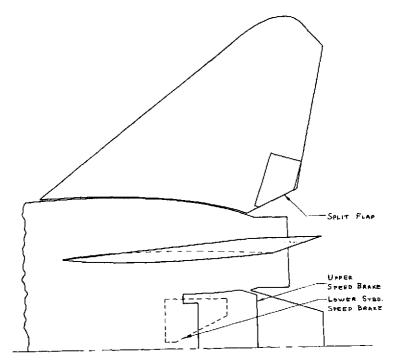
(c) Main landing gear.

Figure 3.- Continued.

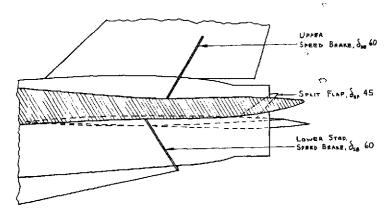


(d) Nose landing gear.

Figure 3.- Continued.



Top VIEW - SURFACES UNDEFLECTED



SIDE VIEW - SURFACES DEFLECTED

(e) Speed brake and split flap locations

Figure 3.- Concluded.

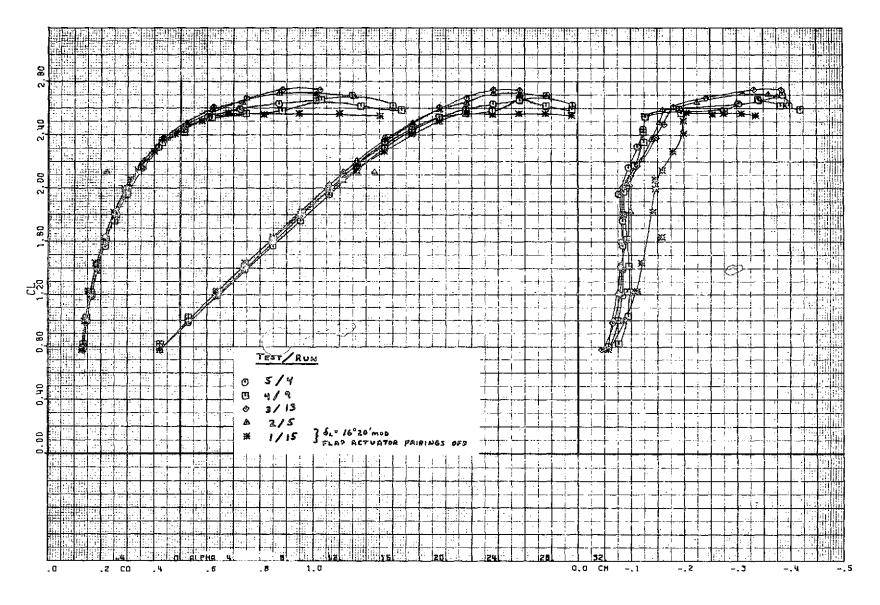


Figure 4.- Comparison of Standard high-lift configuration as measured in various tests.

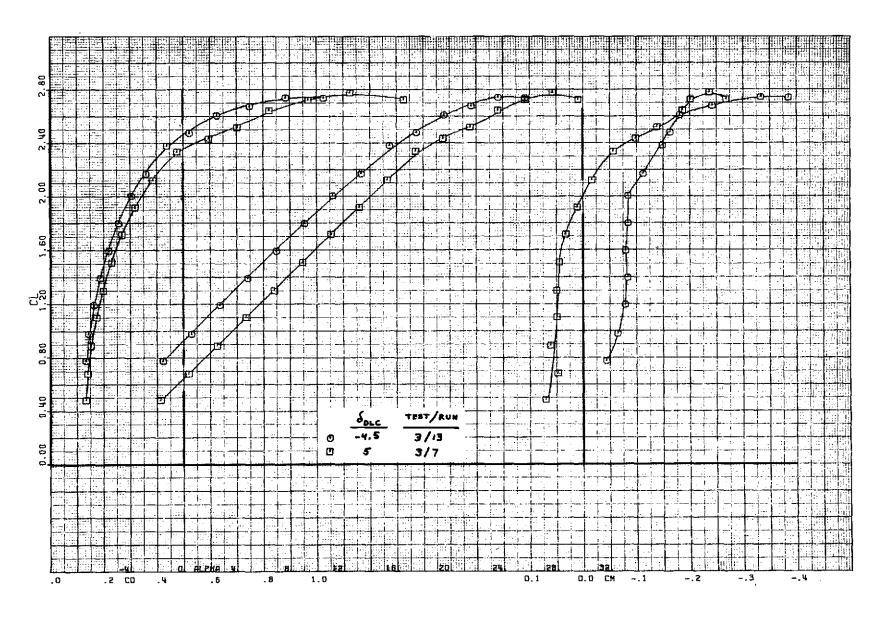
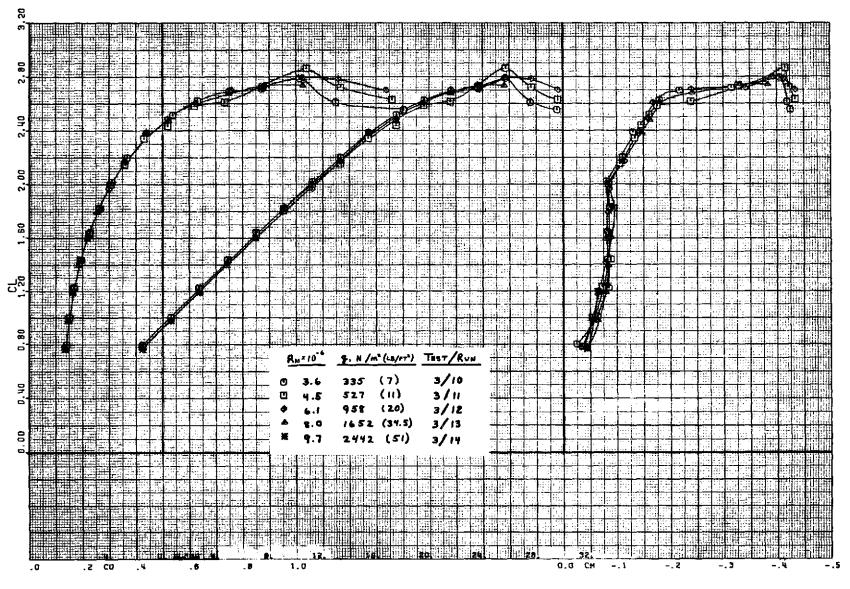
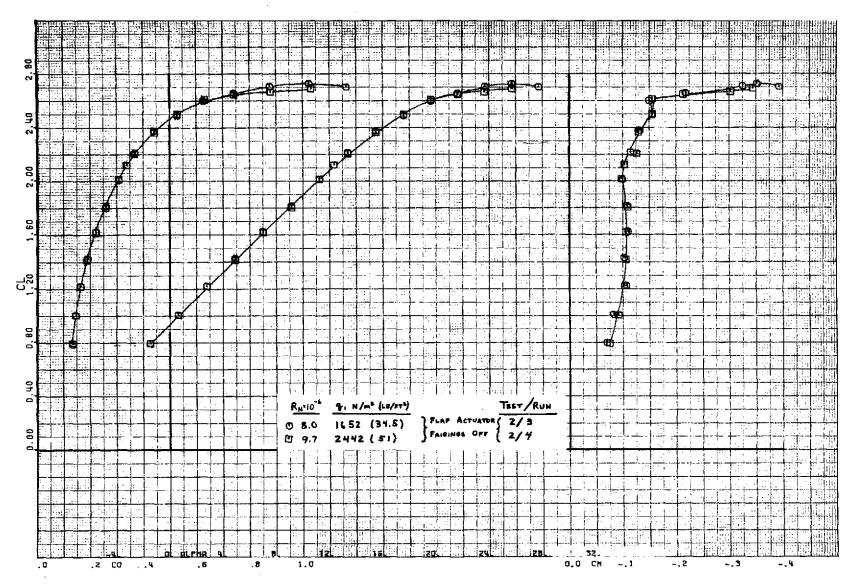


Figure 5 .- Base reference data.



(a) Results of test 3.

Figure 6.- Effect of Reynolds number.



(b) Results of test 2.

Figure 6.- Concluded.

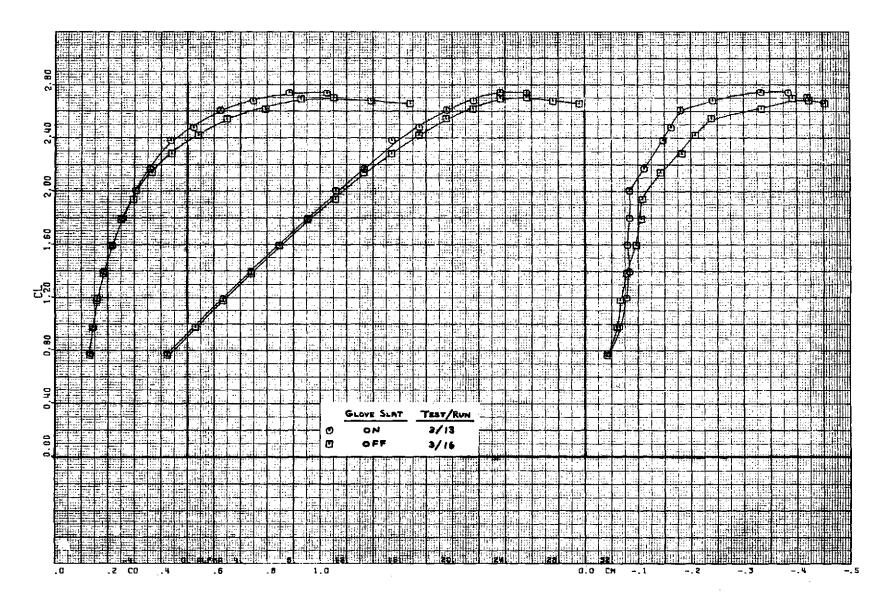


Figure 7.- Effect of glove slat.

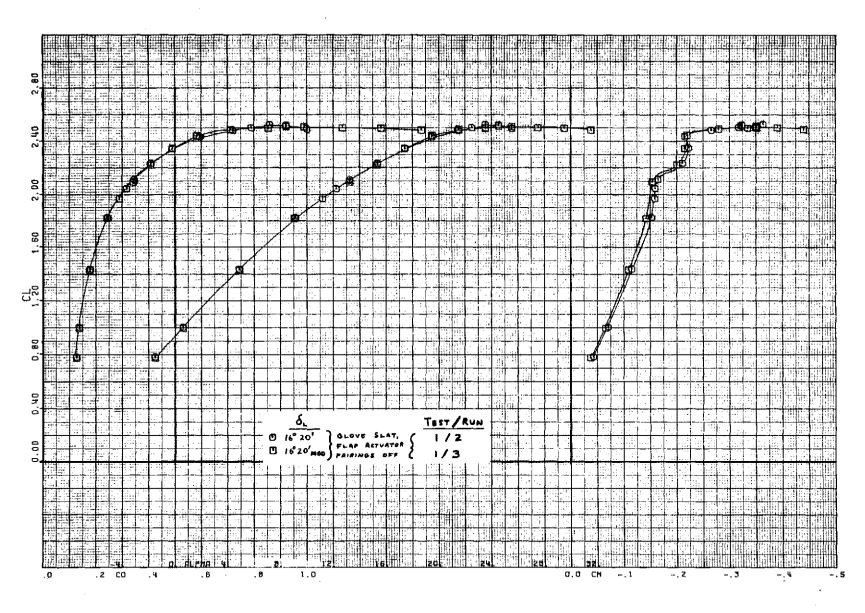


Figure 8.- Effect of wing slat leading-edge radius.

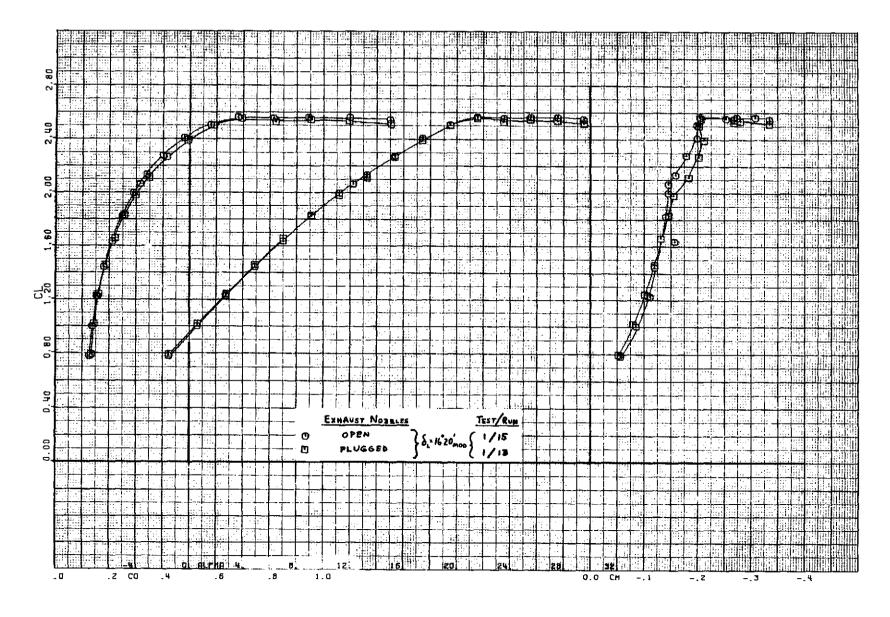
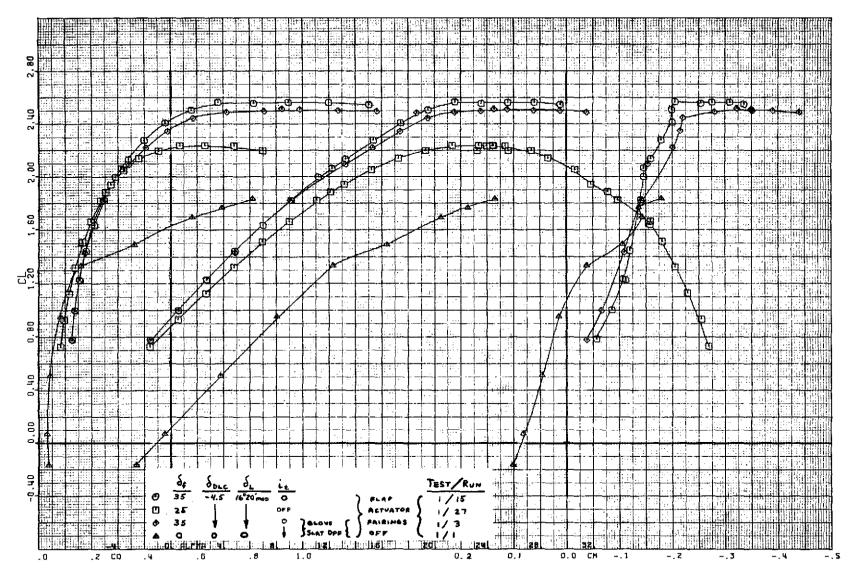
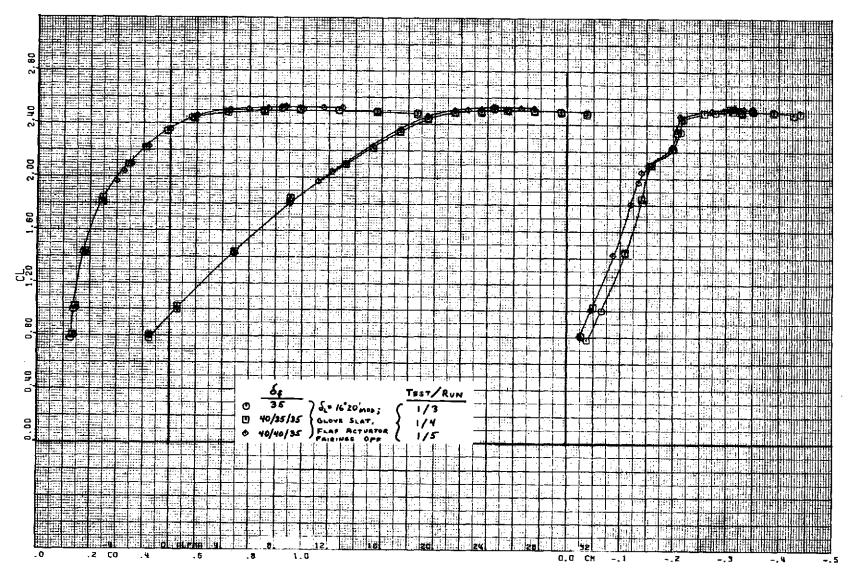


Figure 9.- Effect of cold-flow ducting.



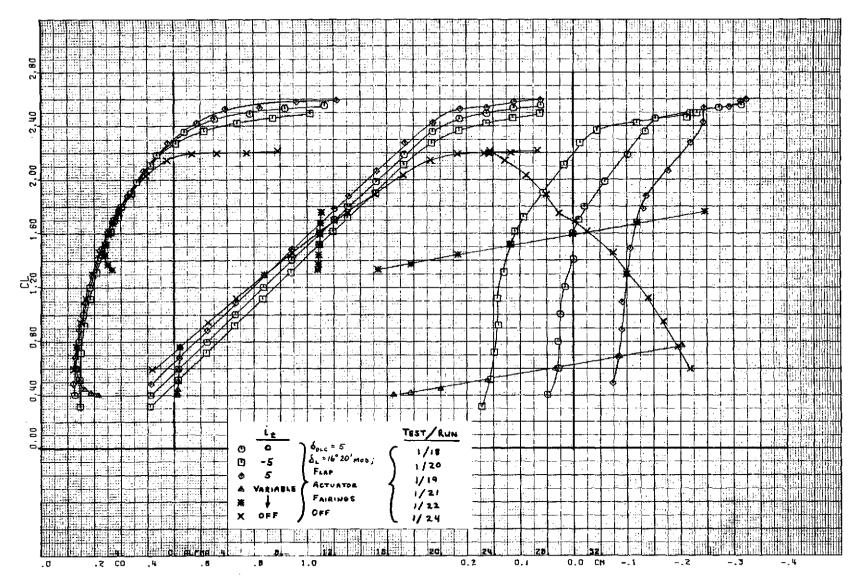
(a) Uniform deflection.

Figure 10.- Effect of flap deflection.



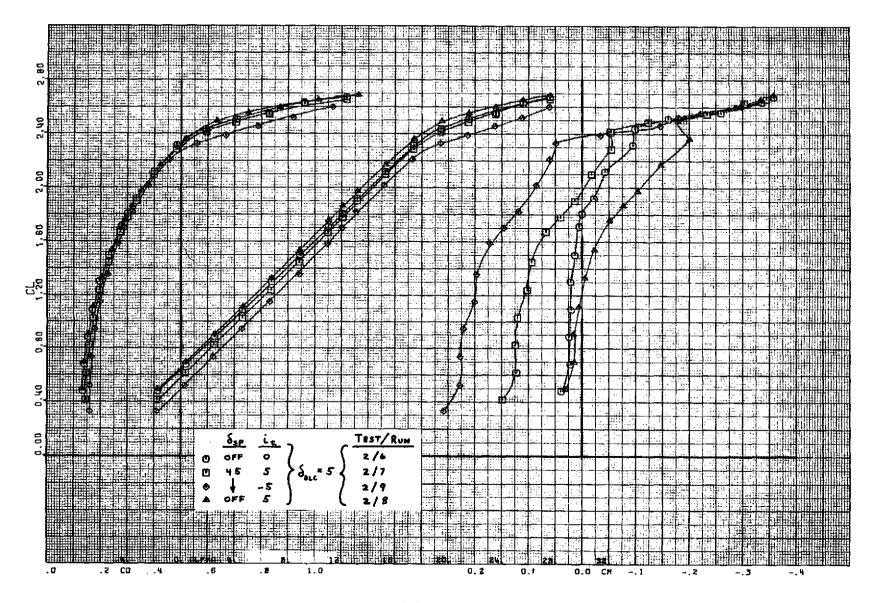
(b) Non-uniform deflection.

Figure 10.- Concluded.



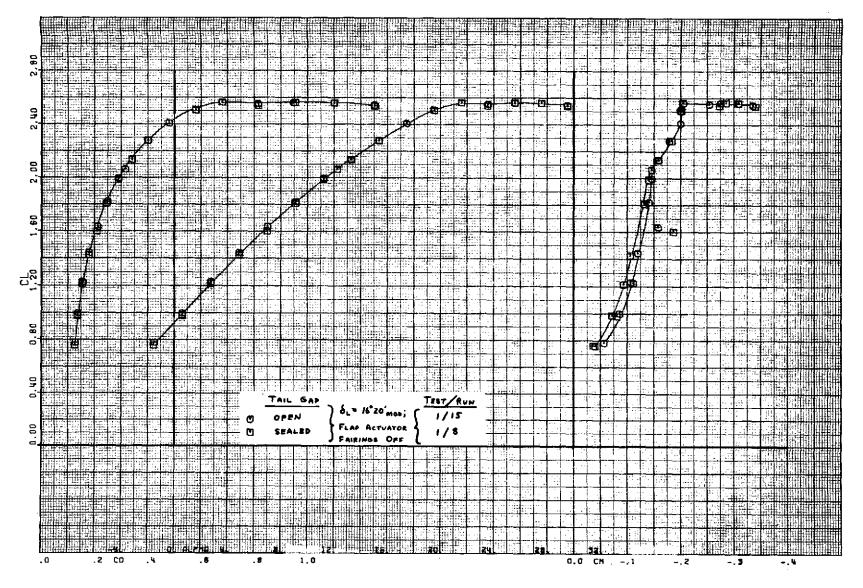
(a) Tail incidence.

Figure 11.- Effect of horizontal tail.



(b) Split flaps.

Figure 11.- Continued.



(c) Tail root seal.

Figure 11.- Concluded.

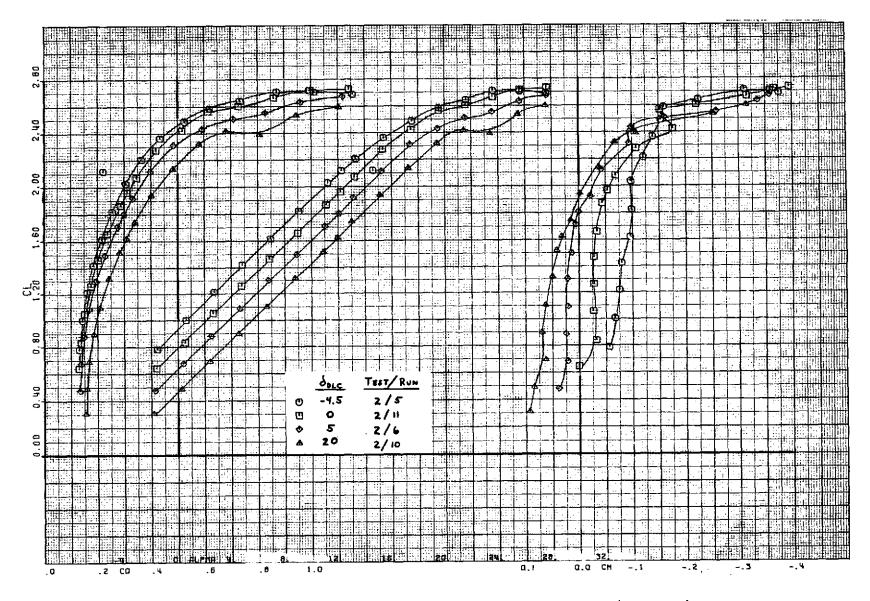


Figure 12.- Effect of direct lift control (spoilers).

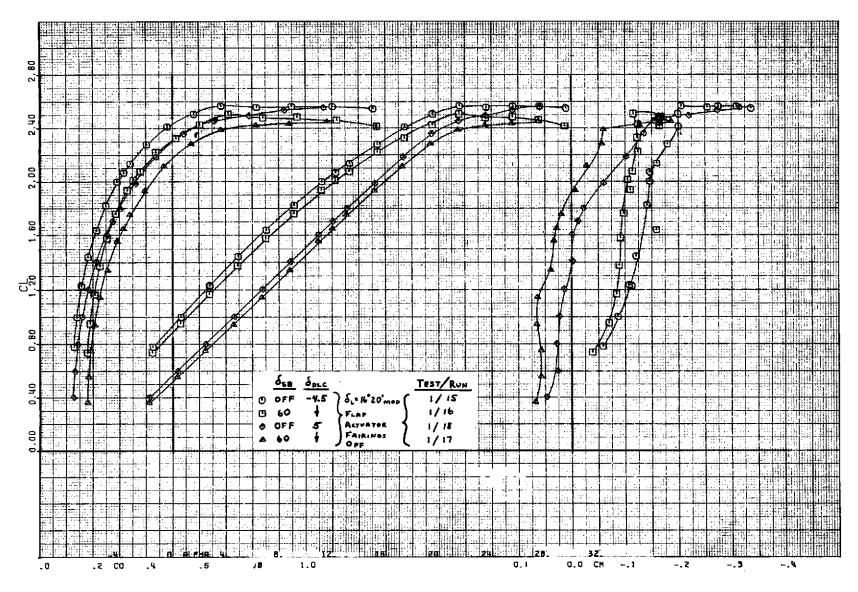


Figure 13.- Effect of speed brake.

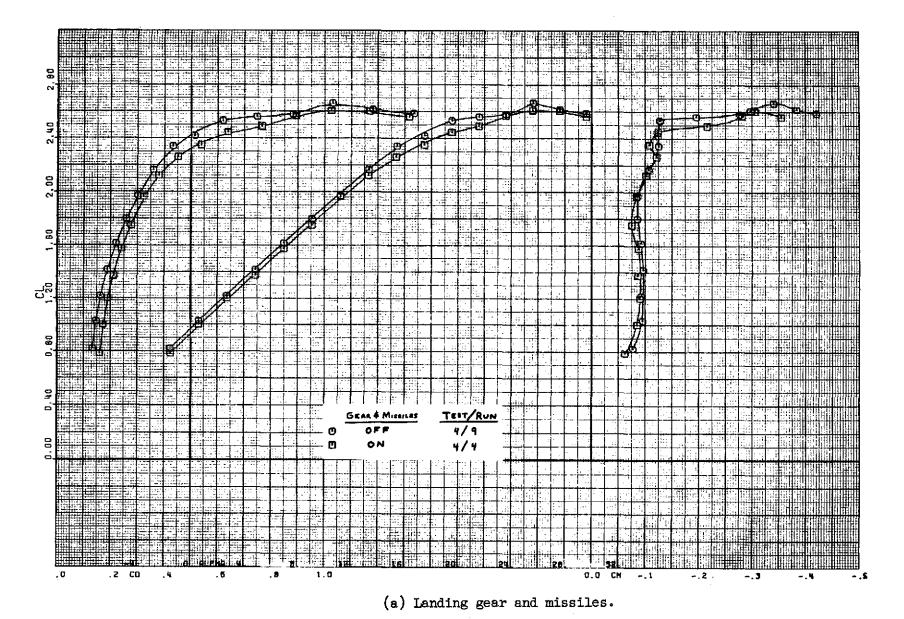
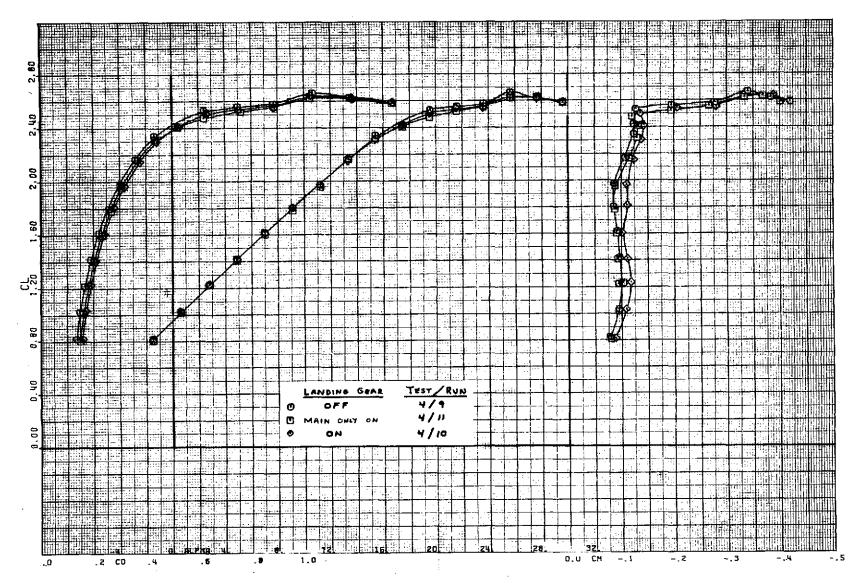
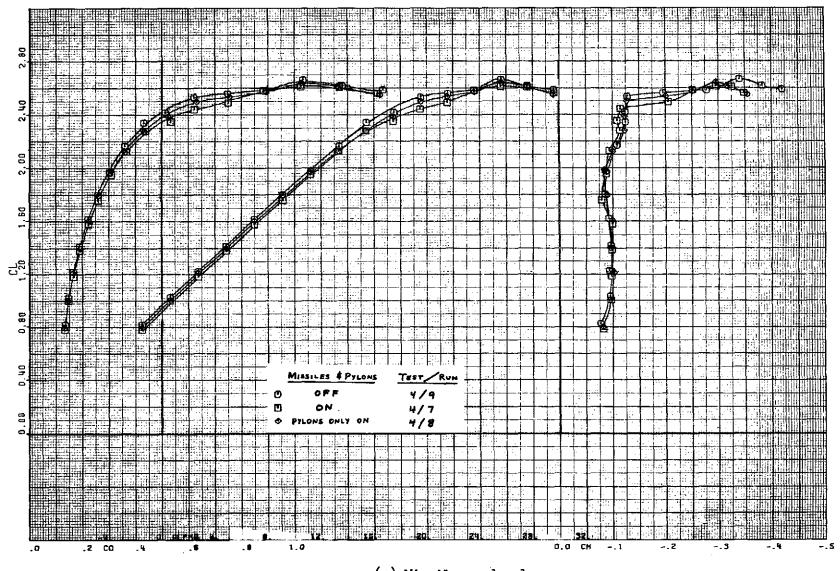


Figure 14.- Effect of external hardware.



(b) Landing gear.

Figure 14.- Continued.



(c) Missiles and pylons.

Figure 14.- Concluded.

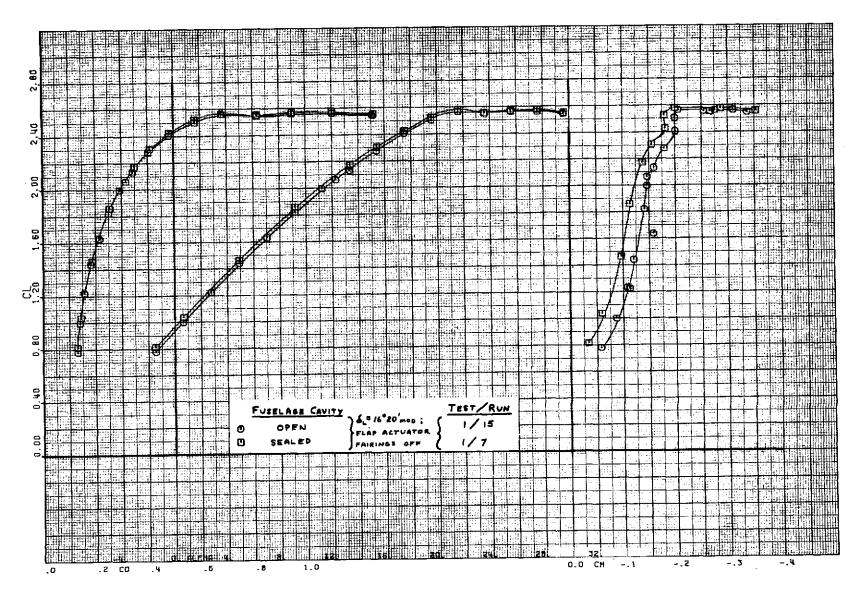


Figure 15.- Effect of fuselage cavity.